

Afzal A. Siddiqui

Department of Immunology & Molecular Microbiology
School of Medicine, Texas Tech University Health Sciences Center
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CURRENT ACADEMIC/ADMINISTRATIVE APPOINTMENTS:

Grover E. Murray Professor* - Departments of Internal Medicine; Immunology and Molecular Immunology; Pathology. Texas Tech University Health Sciences Center (TTUHSC), 3601 4th Street, Lubbock, Texas 79430. (March 1, 2013 – present). **Highest academic rank TTUHSC bestows upon its faculty.*

Chair - Department of Immunology & Molecular Microbiology Texas Tech University Health Sciences Center (TTUHSC), 3601 4th Street, Lubbock, Texas 79430. (January 1, 2022 – present).

Professor (Tenured) - Departments of Internal Medicine and Immunology & Molecular Microbiology, TTUHSC, 3601 4th Street, Lubbock, Texas 79430. (September 1, 2008 – present).

Professor - Department of Pathology, School of Medicine, TTUHSC, Lubbock, Texas 79430. (March 2, 2009 – present).

Director - Center for Tropical Medicine and Infectious Diseases, TTUHSC, Lubbock, Texas 79430. (October 6, 2011 – present).

Clinical Professor of Pharmacy Practice – TTUHSC, School of Pharmacy, Amarillo, TX 79106 (September 1, 2010 – present).

Graduate Faculty - Graduate School of Biomedical Sciences, TTUHSC, Lubbock, TX (January 11, 2001 – present).

ACADEMIC QUALIFICATIONS:

University of Western Ontario, London, Canada

Ph.D. (Zoology)

Aligarh Muslim University, Aligarh, India

M.Phil. (Zoology)

M.Sc. (Zoology)

B.Sc. (Hons) (Zoology)

PAST ACADEMIC/ADMINISTRATIVE APPOINTMENTS:

Vice Chair (Research) - Department of Internal Medicine, School of Medicine. Lubbock, TX (March 1, 2015 – May 7, 2019; July 1, 2020 – December 31, 2021).

Vice President (Innovation & Collaborations) - Texas Tech University Health Sciences Center, 3601 4th Street, Lubbock, Texas 79430 (September 1, 2016 – August 31, 2020).

Fulbright-Nehru Teaching and Research Scholar - United States India Educational Foundation/Aligarh Muslim University. Aligarh, India. (October 29, 2012 – June 21, 2013).

Associate Academic Dean - Graduate School of Biomedical Sciences, TTUHSC, 3601 4th Street, Lubbock, Texas 79430. (January 22, 2008 – February 28, 2010).

Associate Professor (Tenured) - Departments of Microbiology & Immunology and Internal Medicine, TTUHSC, Lubbock, TX. (March 1, 2007 – August 31, 2008).

Research Health Scientist - Department of Veterans Affairs, Thomas E. Creek VA Medical Center, Amarillo, TX. (August 1, 2000 – Feb 2007).

Clinical Associate Professor of Pharmacy Practice - School of Pharmacy, TTUHSC, Amarillo, TX. (September 26, 2000 – August 31, 2010).

Associate Professor of Medicine (Tenured) & Amarillo Endowed Professorship Holder - Department of Internal Medicine, TTUHSC. Amarillo, TX. (August 1, 2000 – February 28, 2007).

Assistant Professor - Departments of Biochemistry and Molecular Biology; Internal Medicine, James H. Quillen College of Medicine, East Tennessee State University (ETSU). Johnson City, TN. (October 1995 – July 31, 2000).

Research Health Scientist - Department of Veterans Affairs Medical Centre. Mountain Home, TN. (October 1997 – July 31, 2000).

Chief - Parasite Immunology, Division of Immunology, James H. Quillen College of Medicine, ETSU. Johnson City, TN (September 1999 – July 31, 2000).

Research Fellow - Department of Immunology and Infectious Disease (formerly Tropical Public Health), Harvard School of Public Health. Boston, MA. (October 1993 – September 1995).

Research Scientist & Assistant Medical Research Council (Canada) Schistosome Vaccine Program Coordinator - University of Western Ontario. London, Canada. (September 1988 – October 1993).

Research Associate - Department of Biomedical Sciences, University of Illinois College of Medicine. Rockford, IL. (1987 – 1988).

Researcher - Helminthic Diseases Branch, Division of Parasitic Diseases, Centres for Disease Control and Prevention. Atlanta, GA. (1986 – 1987).

Research Associate - Department of Biology, Morehouse College, Atlanta University Centre. Atlanta, GA. (1986 – 1987).

ACADEMIC FELLOWSHIPS/AWARDS:

1. ***Dean's Scholarship/Research Award*** - "In recognition of exceptional accomplishment in research and scholarship", School of Medicine, TTUHSC, May 5, 2016.
2. ***Fulbright Specialist Roster*** - Institute of International Education, Council of International Exchange of Scholars, Bureau of Educational and Cultural Affairs of the United States Department of State (February 20, 2015 – January 19, 2020).
3. ***Chancellor's Council Distinguished Research Award*** - The highest award given by the TTU System to faculty members at its member institutions - TTUHSC, January 28, 2015.
4. ***Awarded Grover E. Murray Professorship*** - Highest honor that TTUHSC bestows on members of its faculty in recognition of the attainment of national and international distinction for outstanding research and creative scholarly achievements (Only the 7th Murray Professorship in the history of TTUHSC was approved by The Texas Tech System Board of Regents on March 1, 2013).
5. ***J. William Fulbright Scholar Award*** - Institute of International Education, Council of International Exchange of Scholars, Bureau of Educational and Cultural Affairs of the United States Department of State (2012 – 2013).
6. ***Dean's Basic Science Teaching Award*** - "In recognition of several years of sustained excellence in teaching". MSI, School of Medicine, TTUHSC, April 2, 2010.
7. ***Chancellor's Council Distinguished Research Award*** - The highest award given by the Texas Tech University System to faculty members at its member institutions - TTUHSC, November 17, 2009.
8. ***President's Excellence in Research Award*** - "In recognition of exceptional accomplishment in research and scholarship", TTHUSC, September 23, 2009.
9. Awarded ***Tenure*** - by the Texas Tech Board of Regents, February 27, 2004.
10. ***Dean's Research Award*** - "In recognition of exceptional accomplishment in research and scholarship", School of Medicine, TTUHSC, November 18, 2003.
11. University of Western Ontario - ***Special Scholarship***, 1985.
12. ***Outstanding Foreign Graduate Student Fellowship*** - University of Western Ontario, London, Canada, 1982 – 1986.
13. ***University Grants Commission Fellowship*** - Aligarh Muslim University, Aligarh, India, 1981-1982.

RESEARCH FUNDING:

Currently Funded (Role as PI, MPI or Investigator):

1. Vaccine against Schistosomiasis for Africa – A Phase I clinical study of the SchistoShield® anti-schistosomiasis vaccine in adults in endemic areas of sub-Saharan Africa. European Union Horizon 2020 Program (SEP-210495409/Grant # DLV-815643) (Florian Marks, Lead PI, Afzal A. Siddiqui, Co-PI). May 2019 – April 2024. [Total €6,692,853.21]
2. A Phase 1, Randomized, Placebo Controlled Trial to Evaluate the Safety, Tolerability, and Immunogenicity of the Sm-p80 + GLA-SE (SchistoShield®) Vaccine in Healthy Adults. Parasitology and International Programs Branch, DMID, NIAID, Vaccine and Treatment Evaluation Units Network investigator, Lisa Jackson, MD, MPH, Kaiser Permanente Washington Health Research Institute. Funding Approved December 2018.
3. A Vaccine for Schistosomiasis, "SchistoShield". [Multiple Principal Investigators: Darrick Carter (contact), Afzal A. Siddiqui] National Institute of Allergy and Infectious Diseases, NIH (2R44AI103983-06). March 13, 2020 – February 28, 2023. [Total \$1,688,643]
4. Human infection studies for *Schistosoma mansoni* vaccine testing in Uganda. Human infection studies for vaccine development - Wellcome Trust (Grant # 218454/Z/19/Z) [Co-PIs: Allison Elliott (contact), Meta Roestenberg and Afzal A. Siddiqui]. May 1, 2020 – April 30, 2025. [Total £4,639,668]
5. SchistoShield® vaccine cGMP. [MPI, Darrick Carter (contact), Afzal A. Siddiqui], Bill & Melinda Gates Foundation (Project # INV-006395). June 1, 2020 – September 1, 2021 [Total \$527,620]
6. Development of a Schistosoma Calpain Assay [PI, Afzal A. Siddiqui], Bill & Melinda Gates Foundation (INV-027122) March 17, 2021-October 1, 2022 [Total \$260,772]
7. IVI Schistosomiasis Vaccine DAC Trial Planning Grant [Florian Marks, Lead PI, Afzal A. Siddiqui, investigator], Bill & Melinda Gates Foundation (INV-029227) April 05, 2021-September 30, 2021 [Total \$299,345]
8. Serum transfer model for human schistosomiasis vaccine [PI, Afzal A. Siddiqui], Bill & Melinda Gates Foundation (INV-004809) May 1, 2021-April 31, 2024 [Total \$1,001,652]
9. Development of schistosomiasis vaccine for human trials and worldwide deployment [PI, Afzal A. Siddiqui (contact), Joseph H. Jeong, Darrick Carter, Raches Ella, Florian Marks], Research Investment for Global Health Technology Fund (RIGHT Fund), Korea. July 1, 2021-June 30, 2023. [Total ₩ 4,000,000,000]
10. Late stage adjuvant mimics based on TLR4 agonists [Multiple Principal Investigators: Darrick Carter (contact), Afzal A. Siddiqui], Small Business Innovation Research Program, National Institutes of Health (SBIR 2021-1 AWARD No. 75N93022C00004) January 10, 2022-January 09, 2024. [Total \$ 597, 953]

Pending Grants: None

Completed Funded Grants:

1. Proof of concept trial of Sm-p80/GLA-SE schistosomiasis vaccine (Afzal A. Siddiqui, Principal Investigator). Bill & Melinda Gates Foundation (Grant # OPP1097535). March 11, 2014 – August 31, 2021. [Total \$5,516,665]
2. Developing an integrated product development plan (IPDP) for the schistosomiasis vaccine candidate SchistoShield®. Bill & Melinda Gates Foundation (Florian Marks, PI, Afzal A. Siddiqui, Co-PI). March 2019 – October 2020. [Total \$243,525] Production and validation of Sj-p80 as a veterinary schistosomiasis vaccine [Multiple Principal Investigators: Sean A. Gray (contact), Afzal A. Siddiqui] National Institute of Allergy and Infectious Diseases, NIH (1R43AI142908-01). September 2018 – October 2020. [Total \$224,999]
3. Repeat-Dose Toxicity, Local Tolerance, and Immunogenicity Study of rSm-p80 Vaccine Candidate (with and without GLA-SE) in New Zealand White Rabbits. Study Number T05119. National Institute of Allergy and Infectious Diseases (NIAID), Division of Microbiology and Infectious Diseases (DMID), Battelle - West Jefferson. (Completed December 19, 2019)
4. A Vaccine for Schistosomiasis, "SchistoShield". [Multiple Principal Investigators: Darrick Carter (contact), Afzal A. Siddiqui] National Institute of Allergy and Infectious Diseases, NIH (2R44AI103983-03). January 2016 – October 2019. [Total \$3,828,539]
5. Design and testing steroidal therapeutics for parasitic nematodes (David Nes and Afzal A. Siddiqui (joint Principal Investigators). Presidents' Collaborative Research Initiative Award. Texas Tech University System. September 1, 2015 – August 31, 2016 [Total \$50,000]
6. Process Development on a Schistosomiasis Vaccine, SchistoShield™ [Multiple PI: Darrick Carter (contact), Afzal A. Siddiqui] National Institute of Allergy and Infectious Diseases, NIH (R43AI103983-01). January 1, 2013 – December 31, 2015. [Total \$600,000]
7. Experimental Molecular Vaccines for Schistosomiasis (Afzal A. Siddiqui, PI). National Institute of Allergy and Infectious Diseases, NIH (R01AI071223). January 2008 – December 2014. [Parent plus supplements Total \$2,582,255]
8. West Texas Center for Influenza, Research, Education and Treatment. Federal Initiative (Steve Berk, PI; Afzal A. Siddiqui, Co-Investigator), Health Resources and Services Administration (Award Number: 1 C76HF10640-01-00). September 2008 – September 2013. [Total \$521,370]
9. Research Supplement. R01AI071223-03S3- Experimental Molecular Vaccines for Schistosomiasis (Afzal A. Siddiqui, PI). National Institute of Allergy and Infectious Diseases. September 29, 2010 – December 31, 2012.
10. Request for Recovery Act Administrative Supplement (NOT-OD-09-056), 5R01AI071223-03S2 - Experimental Molecular Vaccines for Schistosomiasis (Afzal A. Siddiqui, PI). NIH/NIAID, August 2, 2010 – July 31, 2012.

11. Recovery Act Administrative Supplement (NOT-OD-09-060), 3R01AI071223-03S1 - Experimental Molecular Vaccines for Schistosomiasis (Afzal A. Siddiqui, PI). National Institute of Allergy and Infectious Diseases. June 14, 2010 – September 30, 2010.
12. Gene silencing of a 65 kDa cysteine proteinase of *Trichomonas vaginalis* involved in cytotoxicity of this parasite (Gul Ahmad, PI, Afzal A. Siddiqui, co-Investigator). Laura Bush Institute for Women Health and UMC Health System, TTUHSC, Lubbock. February 1, 2010 – May 31, 2011.
13. Recovery Act Administrative Supplement (NOT-OD-09-060), 3R01AI071223-02S1 - Experimental Molecular Vaccines for Schistosomiasis (Afzal A. Siddiqui, PI). NIAID/NIH. June 05, 2009 – October 31, 2009.
14. Developing Novel, Lipid-based Therapeutics against Protozoan and Helminth Parasites (Afzal A. Siddiqui, HSC Lead PI; Kai Zhang, TTU Lead PI). TTUHSC-Texas Tech University (TTU) Joint Initiative grant. September 1, 2008 – August 31, 2010. [\$290,053]
15. Development and Validation of Strain Specific 16S rRNA Gene Probes for Mucin Degrading Bacteria (Eswaran Variyam and Afzal A. Siddiqui, PI). SOM Clinical and Basic Science seed Grant. January 2008 – December 31, 2008.
16. Schistosomiasis Vaccine (Afzal A. Siddiqui, PI). Thrasher Research Fund. December 2006 – May 2011. [\$395,528]
17. Supplement to AREA grant -Schistosome Calpain as a Vaccine Candidate (Afzal A. Siddiqui, PI), National Institute of Allergy and Infectious Diseases, NIH (3R15 AI505340-01S1). October 2001 – September 2005.
18. Schistosome Calpain as a Vaccine Candidate (Afzal A. Siddiqui, PI), National Institute of Allergy and Infectious Diseases, NIH (R15 AI50534-01). August 2001 – July 2005. [Parent plus supplements \$190,184]
19. Faculty Incentive Program Grant - Core Research Laboratory Support. School of Medicine, TTUHSC, Amarillo (Afzal A. Siddiqui, PI). September 1, 2003 – August 31, 2004.
20. Studies on the Role of Coenzyme Q10 in Breast Cancer. Women's Health Research Institute, Amarillo (Mansoor Khan, PI, Afzal A. Siddiqui, Co-PI). January 2003 – December 2003.
21. Comparative Analysis of Immunomodulatory Components in Colostrum and Milk of Mothers Delivering Pre- and Full-term Infants. Women's Health Research Institute, Amarillo (Mubariz Naqvi, PI, Afzal A. Siddiqui, Co-PI). January 2003 – December 2003.
22. TTUHSC Center of Excellence - Osteoporosis study group of the Women's Health Research Institute of Amarillo (John Jennings, PI, Afzal A. Siddiqui, Investigator). October 2001 – September 2003.
23. Molecular Vaccines for Schistosomiasis (Afzal A. Siddiqui, PI). SOM Seed Grant Program, TTUHSC, Lubbock. September 2001 – August 2002.
24. Controlled Drug Delivery of Estrogen from Biodegradable Microparticles for Osteoporosis Therapy. (Mansoor Khan, PI, Afzal A. Siddiqui, Co-PI). Women's Health Research Institute, Amarillo. March 2001 – February 2002.

25. Equipment grant (Rhonda Akins, PI; Afzal A. Siddiqui, Co-PI). School of Pharmacy, TTUHSC, Amarillo. September 2000.
26. Glucocorticoid inducible genes in *Strongyloides stercoralis* hyperinfection. Research Development Committee, ETSU. (Afzal A. Siddiqui, PI) July 1999 – June 2000.
27. Cloning of a glucocorticoid receptor-like homologue from the human roundworm, *Strongyloides stercoralis*. Alpha Omega Alpha Honor Medical Society Research Grant (Mentor Award, Dooley, S.). 1999.
28. Study of the Humoral Immune Response to *Blastomyces dermatitidis*. Research Development Committee, ETSU. (Jose Vasquez, Principal Investigator, Afzal A. Siddiqui, Co-Investigator. July 1998 – June 1999.
29. Cloning of a glucocorticoid receptor-like homologue from *Strongyloides stercoralis*. Research Development Committee, ETSU. (Afzal A. Siddiqui, PI) July 1998 – June 1999.
30. Cloning of a glucocorticoid receptor-like homologue from *Strongyloides stercoralis*. Southern Medical Association Research Project Grant. July 1998 – July 1999. (Major Advisor, Fellow Training Grant, Eugene H. McCoskey).
31. Development of a Serodiagnostic Test for the Human parasite, *Strongyloides stercoralis*. Young Investigator Grant, the National Foundation for Infectious Diseases (1998). (Afzal A. Siddiqui, PI)
32. Cooperative Research Agreement with Integrated Diagnostics, Inc., on the Development of a Diagnostic Test for *Strongyloides stercoralis* (April 1998 – March 2001). (Afzal A. Siddiqui, PI)
33. Molecular Characterization of Schistosome 5-hydroxytryptamine Receptor. Research Development Committee, ETSU. (July 1997 – June 1998). (Afzal A. Siddiqui, PI)
34. Identification of Host-interactive Proteins of *Strongyloides stercoralis* for Vaccine Development. Research Development Committee, ETSU. July 1996 – June 1997. (Afzal A. Siddiqui, PI)
35. Development of a serodiagnostic test for *Strongyloides stercoralis*, a human parasite indigenous to Southeastern United States including TN. Research Development Committee, ETSU. July 1996 – June 1997. (Afzal A. Siddiqui, PI)
36. Assessment of Mycobacterial Cell Wall Extract (MCWE) as a Possible Treatment for Schistosomiasis. IRAP-TE Project in collaboration with Bioniche. National Research Council of Canada. March 1993 – March 1994. (Greg Dekaban, R.B. Podesta and (Afzal A. Siddiqui, PIs).

PATENTS:

- Siddiqui, Afzal A.; Ahmad, Gul; Zhang, Weidong (Inventors). Schistosomiasis Vaccine Compositions and Methods of Use. *U.S. Patent No. 9,248,169* issued on February 2, 2016.
 - India patent application no. 10079/DELNP/2011 (July 28, 2016).
 - Chinese Invention Patent Application No. 201080035900X. CN National Phase Entry of International Application No. PCT/US2010/039707 (October 15, 2016).
 - Brazilian Patent Application 1015136-2 (Industrial Property Gazette (IPG) no. 2402, January 17, 2017).

TEACHING EXPERIENCE:

Texas Tech University Health Sciences Center

- Host Defence MSI Block 4 (MSCI 5040)
- Graduate Medical Microbiology Core Course (GMIB 5350)
- The Pathogenesis of Infectious Disease (GMB 6335)
- Special Topics in Microbiology (MIB 5181, 5281, 5381)
- Laboratory Methods in Biomedical Sciences (GPHY5350)
- Clinical Tropical Medicine and Medical Parasitology, 4th Year Medical Student Elective
- Pathology Residents Conferences
- Biomedical Research in Molecular Medicine (MBCH-806B-401)
- Clinical and Laboratory Research (MINT-806T-4010)
- Pharmacotherapy III - Infectious Disorders (PHAR2351)

East Tennessee State University

- Invertebrate Zoology (3460)

University of Western Ontario

- Molecular and Biochemical Parasitology (B.Sc., 4th Yr)
- Physiology (B.Sc., 3rd Yr)
- Cell Biology (B.Sc., 2nd Yr)
- General Biology (B.Sc., 1st Yr)

Aligarh Muslim University

- Physiology (B.Sc. Final year)
- Helminthology, Protozoology (M.Sc., Final year)
- Molecular Biology of Parasites (Summer University)

RESEARCH/THESIS SUPERVISION:

Previous Institutions

- Supervised research of over 75 undergraduate/high school students from, University of Western Ontario, ETSU, West Texas A & M University, TTU, Amarillo College, High Schools (Amarillo High, Palo Duro High, Randall High and Lubbock High School) in various disciplines of biology. Thesis co-supervisor and examiner of BSc (Hons) 4th Yr students (> 6), Department of Zoology, University of Western Ontario, London, Canada.

- Have supervised research projects of physician-fellows of the Pulmonary Division (Jamal Mubarak MD, Joe Hourany MD, Zulfiqar Ahmed, MD, and Eugene McCoskey, MD), Infectious Disease Division (Aga Abbas, MD) and GI Division (Lisa Brandenburger, MD), Department of Internal Medicine and VA Medical Centre, Johnson City, TN. Trained Medical students (William Tingler II and Sean Dooley) in Molecular Biology Techniques.
- Major Advisor of a Master's student (Nora Koenig), ETSU, Johnson City, TN.
- Mentor of AOA's Research Fellowship for Medical Student, Sean Dooley.
- Doctoral thesis examiner (Yasreel Mustafa, PhD, Umm-E-Asma, PhD, Sadia Rashid, PhD), Department of Zoology, Aligarh Muslim University, Aligarh, India.
- Doctoral thesis examiner (Noha Ahmed Mahana, PhD, Haiam Shaaban, PhD), MS thesis examiner (Rania Waheed Mohamed) Department of Zoology, Cairo University, Cairo, Egypt.

Texas Tech University Health Sciences Center

- Dean's Representative at the doctoral thesis defence (Sami Nazzal, PhD, Paul Lockman, PhD, Mohammad Nutan, PhD, Nusrat Motlekar, PhD, Young Tag Ko, PhD, Vaughan Wittman, PhD, Joachim Hartmann, PhD, Jennifer Paulson PhD, Nathaly Cormier, PhD), Graduate School of Biomedical Sciences, TTUHSC, Amarillo and Lubbock.
- Several Internal Medicine residents (Hardeep Rai, MD, Abu Qweider, MD, Ali Ashtari, MD) of Internal Medicine program (TTUHSC- Amarillo) and foreign medical graduates (Sharin Lincoln, MBBS) have worked with me on research projects in my laboratory.
- Graduate Committee member for three graduate students (Rakhi Shah, PhD, Anitha Palamakula, PhD, Nathan Bailey, MS), Department of Pharmaceutical Sciences, School of Pharmacy, TTUHSC, Amarillo.
- Coordinator, Research Elective, Internal Medicine Residency Program, Department of Internal Medicine, TTUHSC, Amarillo.
 - Several internal medicine residents (Vijaya Kavikondala, MD, Rupashree Vararajan, MD, Arshad Sami, MD, Newton Muthunayagam, MD, Ghaleb Karouni, MD, Sushma Vemulapalli, MD, Qaiser Saeed, MD, Asim Ali, MD, Bindu Nair MD, Olufunsho Bankole, MD, Rixin Zhou, MD, Arshia Quadri, MD, Nayan Patel, MD) have performed research during this elective.
- External doctoral thesis Examiner (Adebayo Molehin, PhD), University of Queensland, Brisbane, Australia.

Research Mentor

Physicians

- Stewart Nash, MD, Pathology Resident, Research Rotation, Department of Pathology, School of Medicine, TTUHSC, Lubbock (2010 – 2011)
- Kathy Eubanks, MD, Pathology Resident, Research Rotation, Department of Pathology, School of Medicine, TTUHSC, Lubbock (2010 – 2011)

- Zachary Franco, MD, Pathology Resident, Research Rotation, Department of Pathology, School of Medicine, TTUHSC, Lubbock (2010 – 2011)
- Luis Brandi, MD, Pathology Resident, Research Rotation, Department of Pathology, School of Medicine, TTUHSC, Lubbock (2008 – 2009)

Postdoctoral Fellows

- Arya Aryandra, PhD, Post-doctoral Research Associate, Department of Internal Medicine- CTMID, TTUHSC, Lubbock (2022-present)
- Desalegn Kifle, PhD, Post-doctoral Research Associate, Department of Internal Medicine- CTMID, TTUHSC, Lubbock (2021-present)
- Aravindan Kalyanasundaram, PhD, Post-doctoral Research Associate, Department of Internal Medicine- CTMID, TTUHSC, Lubbock (2021-present)
- Sabiha Khatoon, PhD, Post-doctoral Research Associate, Department of Internal Medicine- CTMID, TTUHSC, Lubbock (2018 – 2019)
- Arif J. Siddiqui, PhD, Post-doctoral Research Associate, Department of Internal Medicine- CTMID, TTUHSC, Lubbock (2016 – 2018)
- Workineh Kite, PhD, Post-doctoral Research Associate, Department of Microbiology & Immunology, TTUHSC, Lubbock (2016)
- Souad Sennoune, PhD, Assistant Professor, Department of Internal Medicine-CTMID, TTUHSC, Lubbock (2016 – 2019)
- Michael Melkus, PhD, Research Assistant Professor, Department of Paediatrics, TTUHSC, Amarillo (2016 – 2018)
- Adebayo Molehin, PhD, Post-doctoral Research Associate, Department of Internal Medicine- CTMID, TTUHSC, Lubbock (2014 – 2021)
- Zulfazal Ahmed, PhD, Post-doctoral Research Associate, Department of Microbiology and Immunology, TTUHSC, Lubbock (2014 – 2015)
- Khalid Saifullah, PhD, Post-doctoral Visiting Scientist, Department of Microbiology and Immunology, TTUHSC, Lubbock (2014)
- Geetanjali Gupta, PhD, Post-doctoral Research Associate, Department of Microbiology and Immunology, TTUHSC, Lubbock (2010)
- Zahid Noor, PhD, Post-doctoral Research Associate, Department of Microbiology and Immunology, TTUHSC, Lubbock (2008 – 2009)
- Weidong Zhang, PhD, Post-doctoral Research Associate, Department of Internal Medicine- CTMID, TTUHSC, Lubbock (2008 – Present)
- Gul Ahmad, PhD, Research Assistant Professor, Department of Microbiology and Immunology, TTUHSC, Lubbock (2007 – 2012)
- Bhakti Desai, PhD, Post-doctoral Research Associate, Department of Internal Medicine, TTUHSC, Lubbock (2005)
- Khaliqz Zaman Samad, PhD, Post-doctoral Research Associate, Department of Internal Medicine, TTUHSC, Amarillo (2005 – 2006)

Medical Students

- Rebecca Kernen, Medical Student Yr 1, Summer Research Program, TTUHSC SOM, Lubbock (2019)
- Christopher Peterson, Medical Student Yr 1, Summer Research Program, TTUHSC

- SOM, Lubbock (2019)
- Sanyukta Bihari, Medical Student Yr 1, Summer Research Program, TTUHSC SOM, Lubbock (2018)
- Saneer Almas, Medical Student Yr 1, Summer Research Program, TTUHSC SOM, Lubbock (2018)
- Timothy Chao, Medical Student Yr 1, Summer Research Program, TTUHSC SOM, Lubbock (2018)
- Jonathan Umelo, Medical Student
 - Yr 1 Summer Research Program, TTUHSC SOM, Lubbock (2018),
 - Yr 2 Research Program TTUHSC SOM, Lubbock (2019)
- Jaxon Thomas, Medical Student Yr 1, Summer Research Program, TTUHSC SOM, Lubbock (2017)
- Ryan Alonzo, Medical Student Yr 1, Summer Research Program, TTUHSC SOM, Lubbock (2017)
- Priscilla Ortiz, Medical Student Yr 1, Summer Research Program, TTUHSC SOM, Lubbock (2017)
- Jonathan Henderson, Medical Student Yr 1, Summer Research Program, TTUHSC SOM, Lubbock (2016)
- Bernadette Baker, Medical Student
 - Yr 1 Summer Research Program, TTUHSC SOM, Lubbock (2016),
 - Yr 2 Research Program, TTUHSC SOM, Lubbock (2017)
- Jeannie Lee, Medical Student
 - Yr 1 Summer Research Program, TTUHSC SOM, Lubbock (2015),
 - Yr 2 Research Program, TTUHSC SOM, Lubbock (2019)
- Chandana Chitturi, Medical Student
 - Yr 1 Summer Research Program, TTUHSC SOM, Lubbock (2015),
 - Yr 2 Research Program, TTUHSC SOM, Lubbock (2016)
- Laura Johnson, Medical Student
 - Yr 1 Summer Research Program, TTUHSC SOM, Lubbock (2015),
 - Yr 2 Research Program, TTUHSC SOM, Lubbock (2016)
- David Curtis, Medical Student Yr 1, Summer Research Program, TTUHSC SOM, Lubbock (2014)

Masters Students

- MS (CBG, TTU) candidate: Sourav Nandy (2021-2022)
- MS (Biotechnology) candidate: Jordan May (2017 – 2019)
- MS (Biotechnology) candidate: Derick Hunter (2016 – 2017)
- MS (Biotechnology) candidate: Oscar Okiya (2015 – 2016)
- MS (Medical Microbiology and Immunology): Richard Winn, MD (2014)

Post baccalaureate Researchers

- Paola Jiménez (2019 – present)
- Adam Peña (2019 – present)
- Parth Patel (2018 – 2019)
- Pramodh Ganapathy (2017 – 2018)
- Samra Lazarus (2017 – 2018)

- Justin Sudduth (2016 – present)
- Sherin Lincoln (2014 – 2015)
- Mayeen Ul Shubo Alam (2013 – 2014)
- Robin Rajan (2010)
- Matt Wyatt (2008 – 2009)

NIH Recovery Act Administrative Supplement- High School Biology Educators Training

- Chad Haskins, Lubbock High School (2009 – 2010),
- Sue Diggs Lubbock High School (2009 – 2010),

Undergraduate/High School Students

- Howard Hughes Medical Institute/ Undergraduate Research
 - Loc Le (2009 – 2011)
 - Afzal Ahrorov (2010, 2011)
- TTU-Honors College/URS
 - Garrett Welch (2017)
 - Parth Patel (2016 – 2018)
 - Jordan May (2015 – 2017)
 - Nataly Montano (2015 – 2016)
 - Justin Sudduth (2014 – 2015)
- Summer Accelerate Biomedical Research Internship Program
 - Justin Sudduth (2015)
 - Mychael Solis-Wheeler (2014)
 - Kory A. Tillery (2013)
 - Gilbert Paquian (2012)
 - Afzal Ahrorov (2010, 2011)
 - Loc Le (2009)
- Clark Scholar
 - Catherine Nguyen (2017)
 - Madison Rattan (2015)
- The Plains Bridges to the Baccalaureate Program
 - Karlie A. Herrera (2015)
- Student Researchers Outside of Programs
 - Miriam Mechref (2020-2021)
 - Alyssa McLean (2019 – present)
 - Chloe Tarbox (2019 – present)
 - Ashraf Rezk (2017 – present)
 - Marcus Gonzalez (2016 – 2017)
 - Jordan May (2016 – 2017)
 - Adam Peña (2016)
 - Jasmin Freeborn (2015 – 2018)
 - Zoe Baker (2015 – 2016)
 - Justin Sudduth (2015 – 2016)

- Kyle Yan (2013 – 2015)
- Bilal Khan (2014)
- Vasu Gupta (2014)
- Sriharsha Marka (2011, 2015 – 2016)
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PEER REVIEWED PUBLICATIONS:

1. Ursula Panzner, U., Excler, J.L., Kim, J., Marks, F., Carter, D. & **Siddiqui, A.A.** 2021. Recent advances and methodological considerations on vaccine candidates for human schistosomiasis. *Frontiers in Tropical Diseases - Vaccines for Tropical Diseases* (Published August 26, 2021) Vol 2: Article 719369, doi: 10.3389/ftd.2021.719369
2. Parmar, K., Siddiqui, A.A. & Nugent, K. 2021. Bacillus Calmette-Guerin vaccine and nonspecific immunity. *The American Journal of the Medical Sciences* 361 (60): 683-689. PMID: 33705721
3. Driciru, E., Koopman, J.P., Cose, S., **Siddiqui, A.A.**, Yazdanbakhsh, M., Elliott, A.M. & Roestenberg, M. 2021. Immunological considerations for *Schistosoma* vaccine development: Transitioning to endemic settings. *Frontiers in Immunology* (Published March 4, 2021) Vol 12: Article 635985. doi: 10.3389/fimmu.2021.635985. PMID: 33746974

4. Molehin, A.J., Gray, S.A., Turner, C., Bergthold, J.D., Zhang, W., Khatoon, S., Rattan, M., Kernen, R., Peterson, C., Sennoune, S.R., Carter, D. & **Siddiqui, A.A.** 2021. Process Development of Sj-p80: A low-cost transmission-blocking veterinary vaccine for Asiatic schistosomiasis. *Frontiers in Immunology* (Published February 23, 2021) Vol 11, Article 578715. doi: 10.3389/fimmu.2020.578715. PMID: 33732227
5. Zhang, W., Le, L., Ahmad, G., Molehin, A.J., Siddiqui, A.J., Torben, W., Karmakar, S., Rojo, J.U., Sennoune, S., Lazarus, S., Khatoon, S., Freeborn, J., Sudduth, J., Rezk, A.F., Carey, D., Wolf, R.F., Papin, J.F., Damian, R., Gray, S., Marks, F., Carter, D. & **Siddiqui, A.A.** 2020. Fifteen years of Sm-p80-based vaccine trials in nonhuman primates: Antibodies from vaccinated baboons confer protection *in vivo* and *in vitro* from *Schistosoma mansoni* and identification of putative correlative markers of protection. *Frontiers in Immunology* (Published Jun 19, 2020) 11:1246. doi: 10.3389/fimmu.2020.01246. PMID: 32636844
6. Le, L., Khatoon, S., Jiménez, P., Peterson, C., Kernen, R., Zhang, W., Molehin, A.J., Lazarus, S., Sudduth, J., May, J., Karmakar, S., Rojo, J.U., Ahmad, G., Torben, W., Carey, D., Wolf, R.F., Papin, J.F. & Siddiqui, A.A. 2020. Chronic whipworm infection exacerbates *Schistosoma mansoni* egg-induced hepatopathology in nonhuman primates. *Parasites & Vectors* (Published 28 Feb 2020, Article 109). 13(1): 1-7. PMID: 32111243
7. Melkus, M.W., Le, L., Siddiqui, A.J., Molehin, A.J., Zhang, W., Lazarus, S., & **Siddiqui, A.A.** 2020. Elucidation of cellular responses in nonhuman primates with chronic schistosomiasis followed by praziquantel treatment. *Frontiers in Cellular and Infection Microbiology* (Published 24 Feb 2020, Article 57). 10: 1-8. PMID: 32154190
8. Zhang, W., Molehin, A.J., Rojo, J.U., Sennoune, S.R., Sudduth, J., Ganapathy P.K., Kim, E., Siddiqui, A.J., Freeborn, J., Sennoune, S.R., May, J., Lazarus, S., Nguyen, C., Redman, W.K., Ahmad, G., Torben, W., Karmakar, S., Le, L., Kottapalli, K.R., Kottapalli, P., Wolf, R.F., Papin J.F., Carey, D., Gray, S.A., Bergthold, J.D., Damian R.T., Mayer, B.T., Marks, F., Reed, S.G., Carter, D., & **Siddiqui A.A.** (2018). Double-blinded baboon study confirms comprehensive efficacy of Sm-p80-based schistosomiasis vaccine. *Annals of New York Academy of Sciences* 1425(1):38-51. PMID: 30133707
9. Zhang, W., Ahmad, G., Torben, W., Le, L., Kim, E., Redman, W., Lazarus, S., Siddiqui, A.J., Molehin, A.A., Rojo, J., & **Siddiqui, A.A.** (2018). *Schistosoma mansoni* antigen Sm-p80: Prophylactic efficacy using TLR4 agonist vaccine adjuvant glucopyranosyl lipid A-Alum in murine and nonhuman primate models. *Journal of Investigative Medicine*. 66(8):1124-1132. PMID: 29997146
10. Siddiqui, A.J., Molehin, A.J., Zhang, W., Ganapathy, P.K., Kim, E., Rojo, J.U., Redman, W.K., Sennoune, S.R., Sudduth, J., Freeborn, J., Hunter, D., Kottapalli, K.R., Kottapalli, P., Wettashinghe, R., van Dam, G.J., Corstjens, P.L.A.M., Papin, J.F., Carey, D., Torben, W., Ahmad, G., **Siddiqui, A.A.** (2018). Sm-p80-based vaccine trial in baboons: efficacy when mimicking natural conditions of chronic disease, praziquantel therapy, immunization, and *Schistosoma mansoni* reencounter. *Annals of New York Academy of Sciences*. 1425: 19–37. PMID: 29888790

11. Le, L., Molehin, A.J., Nash, S., Sennoune, S.R., Ahmad, G., Torben, W., Zhang, W., & **Siddiqui, A.A.** (2018). Egg-induced liver pathology resolution in baboons by Sm-p80-based schistosomiasis vaccine. *Pathology* 50(4):442-449. PMID: 29739616
12. Torben, W., Molehin, A.J., Blair, R.V., Kenway, C., Shiro, F., Roslyn, D., Chala, B., Gutu, D., Kebede, M.A., Ahmad, G., Zhang, W., Aye, P., Mohan, M., Lackner, A., & **Siddiqui, A.A.** (2017) Insights into self-curing phenomenon of schistosome infection in rhesus macaques. *Annals of New York Academy of Sciences* 1408: 79-89. PMID: 29239481
13. Molehin, A.J., Sennoune, S.R., Zhang, W., Rojo, J.U., Siddiqui, A.J., Herrera, K.A., Johnson, L., Sudduth, J., May, J. & **Siddiqui, A.A.** (2017). Cross-species prophylactic efficacy of Sm-p80-based vaccine and intracellular localization of Sm-p80/Sm-p80 ortholog proteins during development in *Schistosoma mansoni*, *Schistosoma japonicum*, and *Schistosoma haematobium*. *Parasitology Research* 116 (11): 3175–3188. PMID: 29026995
14. Rojo, J.U, Melkus, M.W, Kottapalli, K.R, Okiya, O.E., Sudduth, J., Zhang, W., Molehin, A.J., Carter, D., & **Siddiqui, A.A.** (2017). Sm-p80-based schistosomiasis vaccine mediated epistatic interactions identified potential immune signatures for vaccine efficacy in mice and baboons. *PLoS One*. 2017 Feb 13; 12 (2): e0171677. PMID: 28192534
15. **Siddiqui, A.A.** & Siddiqui, S.Z. 2017. Sm-p80-based schistosomiasis vaccine: Preparation for human clinical trials. *Trends in Parasitology*. 33 (3): 194-201. PMID: 27865740
16. Gray, S.A., Coler, R.N., Carter, D. & **Siddiqui, A.A.** 2016. Translational activities to enable NTD vaccines. *Progress in Molecular Biology and Translational Science* 142: 291-315. PMID: 27571699
17. Molehin, A.J., Rojo, J.U., Siddiqui, S.Z., Gray, S.A., Carter, D. & **Siddiqui, A.A.** 2016. Development of a Schistosomiasis Vaccine. *Expert Review of Vaccines*, 15:619-627. PMID: 26651503
18. Hsieh, M.H., Brotherton, J.L.M. & **Siddiqui, A.A.** 2015. Hepatitis B vaccines and HPV vaccines have been hailed as major public health achievements in preventing cancer - could a schistosomiasis vaccine be the third? *PLoS Negl Trop Dis*. 2015 May 28; 9(5): e0003598. PMID: 26020953
19. Griffith, Q., Liang, Y.M., Whitworth, P., Rodriguez-Russo, C., Ahmad, G., **Siddiqui, A.A.**, Connor, J., Mwinzi, P. & Ganley-Leal, L. 2015. Immuno-evasive tactics by schistosomes identifies an effective allergy preventative. *Experimental Parasitology* 153: 139-150. PMID: 25819297
20. Zhang, W., Ahmad, G., Le, L., Rojo, J.U., Karmakar, S., Tillery, K.A., Torben, W., Damian, R.T., Wolf, R.F., White, G.L., Carey, D.W., Carter, D., Reed, S.G. & **Siddiqui, A.A.** 2014. Longevity of Sm-p80-specific antibody responses following vaccination with Sm-p80 vaccine in mice and baboons, and transplacental transfer of Sm-p80-specific antibodies in a baboon. *Parasitology Research* 113: 2239-2250. PMID: 24728521
21. Le, L., Zhang, W., Karmakar, S., Ahmad, G., Torben, W. & **Siddiqui, A.A.** 2014. Simultaneous priming with DNA encoding Sm-p80 and boosting with Sm-p80 protein confers protection against challenge infection with *Schistosoma mansoni* in mice. *Parasitology Research* 113:1195-1200. PMID: 24452916

22. Karmakar, S., Zhang, W., Ahmad, G., Torben, W., Alam, M.U., Le, L., Damian, R.T., Wolf, R.F., White, G.L., Carey, D.W., Carter, D., Reed, S.G. & **Siddiqui, A.A.** 2014. Cross-species protection: *Schistosoma mansoni* Sm-p80 vaccine confers protection against *Schistosoma haematobium* in hamsters and baboons. *Vaccine* 32: 1296-1303. PMID: 24397898
23. Karmakar, S., Zhang, W., Ahmad, G., Torben, W., Alam, M.U., Le, L., Damian, R.T., Wolf, R.F., White, G.L., Carey, D.W., Carter, D., Reed, S.G. & **Siddiqui, A.A.** 2014. Use of an Sm-p80-based therapeutic vaccine to kill established adult schistosome parasites in chronically infected baboons. *Journal of Infectious Diseases* 209: 1929-1940. PMID: 24436452
24. Karmakar, S., Zhang, W., Ahmad, G., Alam, M.U., Winn, R., Torben, W., Le, L., Tillery, K.A., & **Siddiqui, A.A.** 2014. Complement plays a minimal role in Sm-p80-mediated protection against *Schistosoma mansoni*. *Human Vaccines & Immunotherapeutics*. 10: 640-647. PMID: 24374377
25. Torben, W., Ahmad, G., Zhang, W., Nash, S., Le, L., Karmakar, S. & **Siddiqui, A.A.** 2012. Role of antibody dependent cell mediated cytotoxicity (ADCC) in Sm-p80-mediated protection against *Schistosoma mansoni*. *Vaccine* 30: 6753-6758. PMID: 23000221
26. Hale, T.W., **Siddiqui, A.A.** & Baker, T. 2012. Transfer of interferon β -1a into human breast milk. *Breast Feeding Medicine* 7: 123-125. PMID: 21988602
27. **Siddiqui, A.A.**, Siddiqui, B.A. & Ganley-Leal, L. 2011. Schistosomiasis Vaccines. *Human Vaccines and Immunotherapeutics* 7: 1192-1197. PMID: 22048120
28. Ahmad, G., Zhang, W., Torben, W., Ahrorov, A., Damian, R.T., Wolf, R.F., White, G.L., Carey, D.W., Mwinzi, P.N.M., Ganley-Leal, L., Kennedy, R.C., & **Siddiqui, A.A.** 2011. Preclinical prophylactic efficacy testing of Sm-p80-based vaccine in a nonhuman primate model of *Schistosoma mansoni* infection and immunoglobulin G and E responses to Sm-p80 in human serum samples from an area where schistosomiasis is endemic. *Journal of Infectious Diseases* 204:1437-1449. PMID: 21921206
29. Zhang, W., Ahmad, G., Torben, W., & **Siddiqui, A.A.** 2011. *Schistosoma mansoni* antigen Sm-p80: Prophylactic efficacy of a vaccine formulated in human approved plasmid vector and adjuvant (VR 1020 and alum). *Acta Tropica* 118: 142-151. PMID: 21334302
30. Torben, W., Ahmad, G., Zhang, W. & **Siddiqui, A.A.** 2011. Role of antibodies in Sm-p80-mediated protection against *Schistosoma mansoni* challenge infection in murine and nonhuman primate models. *Vaccine* 29:2262-2271. PMID: 21277404
31. Ahmad, G., Zhang, W., Torben, W., Noor, Z. & **Siddiqui, A.A.** 2010. Protective effects of Sm-p80 in the presence of resiquimod as an adjuvant against challenge infection with *Schistosoma mansoni* in mice. *International Journal of Infectious Diseases*. 14: 781-787. PMID: 20630783
32. Zhang, W., Ahmad, G., Torben, W., & **Siddiqui, A.A.** 2010. Sm-p80-based DNA vaccine made in a human use approved vector VR1020 protects against challenge infection with *Schistosoma mansoni* in mouse. *Parasite Immunology* 32: 252-258. PMID: 20398225

33. Zhang, W., Ahmad, G., Torben, W., Noor, Z., Le, L., Damian, R.T., Wolf, R.F., White, G.L., Chavez-Suarez, M., Podesta, R.B., Kennedy, R.C., & **Siddiqui, A.A.** 2010. Sm-p80 based DNA vaccine provides baboons with levels of protection against *Schistosoma mansoni* infection comparable to those achieved by the irradiated cercarial vaccine. *Journal of Infectious Diseases* 201: 1105-1112. PMID: 20187746
34. Ahmad, G., Zhang, W., Torben, W., Haskins, C., Diggs, C., Noor, Z., Le, L. & **Siddiqui, A.A.** 2009. Prime-boost and recombinant protein vaccination strategies using Sm-p80 protects against *Schistosoma mansoni* infection in the mouse model to levels previously attainable only by the irradiated cercarial vaccine. *Parasitology Research* 105: 1767-1777. PMID: 19809833
35. Ahmad, G., Zhang, W., Torben, W., Damian, R.T., Wolf, R.F., White, G.L., Chavez-Suarez, M., Kennedy, R.C. & **Siddiqui, A.A.** 2009. Protective and antifecundity effects of Sm-p80 based DNA vaccine formulation against *Schistosoma mansoni* in a nonhuman primate model. *Vaccine* 27: 2830-2837. PMID: 19366570
36. Ahmad, G., Torben, W., Zhang, W., Wyatt, M. & **Siddiqui, A.A.** 2009. Sm-p80 based DNA vaccine formulation induces potent protective immunity against *Schistosoma mansoni*. *Parasite Immunology* 31: 156-161. PMID: 19222788
37. **Siddiqui, A.A.**, Ahmad, G, Damian R.T. & Kennedy R.C. 2008. Experimental vaccines in animal models for schistosomiasis. *Parasitology Research* 102: 825-833. PMID: 18259777
38. Zaghoul, A.A., Mustafa, F., **Siddiqui, A.A.** & Khan, M. A. 2006. Response surface methodology to obtain β -estradiol biodegradable microspheres for long-term therapy of osteoporosis. *Pharmaceutical Development and Technology*. 11: 377-87. PMID: 16895848
39. Zaghoul, A.A., Mustafa, F., **Siddiqui, A.A.** & Khan, M. A. 2005. Biodegradable microparticulates of β -estradiol: Preparation and *in vitro* characterization. *Drug Development and Industrial Pharmacy*, 31: 803-811. PMID: 16221615
40. **Siddiqui, A.A.**, Pinkston, J.R., Quinlin, M.L., White, G.L., Shearer, M.H. & Kennedy, R.C. 2005. DNA vaccine formulation containing Sm-p80 and interleukin-2 elicits potent immune responses in a non-human primate model of schistosomiasis. *Vaccine* 23: 1451-1456. PMID: 15670880
41. **Siddiqui, A.A.**, Pinkston, J.R., Quinlin, M.L., Rewers-Felkins, K.A., Phillips, T. & Pompa, J. 2005. Characterization of protective immunity induced against *Schistosoma mansoni* via DNA priming with the large subunit of calpain (Sm-p80) in the presence of genetic adjuvants. *Parasite* 12: 3-8. PMID: 15828575
42. Gopalachar, A., Akins, R.L., Davis, W.R. & **Siddiqui, A.A.** 2004. A case of urosepsis caused by *Aerococcus viridans*. *Medical Science Monitor* 10: CS73-75. PMID: 15507858
43. Shah, R.B., **Siddiqui, A.A.**, Shah, G.V. & Khan, M.A. 2003. A validated HPLC assay for the simultaneous analysis of salmon calcitonin and duck ovomucoid. *Die Pharmazie* 58: 620-622. PMID: 14531455

44. **Siddiqui, A.A.**, Phillips, T., Charest, H., Podesta, R.B., Quinlin, M.L., Pinkston, J.R., Lloyd, J.D., Pompa, J., Villalovos, R.M. & Paz, M. 2003. Enhancement of Sm-p80 (large subunit of calpain) induced protective immunity against *Schistosoma mansoni* through co-delivery of interleukin-2 and interleukin-12 in a DNA vaccine formulation. *Vaccine* 21: 2882-2889. PMID: 12798631
45. **Siddiqui, A.A.**, Phillips, T., Charest, H., Podesta, R.B., Quinlin, M.L., Pinkston, J.R., Lloyd, J.D., Paz, M., Villalovos, R.M. & Pompa, J. 2003. Induction of protective immunity against *Schistosoma mansoni* via DNA priming with the large subunit of calpain (Sm-p80): Adjuvant effects of granulocyte macrophage colony stimulating factor and interleukin-4. *Infection & Immunity* 71: 3844-3851. PMID: 12819068
46. **Siddiqui, A.A.** & Berk, S.L. 2003. Strongyloidiasis. *Current Treatment Options in Infectious Diseases* 5: 283-289
47. **Siddiqui, A.A.**, Stanley, C.S., & Berk, S.L. 2001. Isolation of a cDNA encoding an IgG immunoreactive antigen (zinc finger protein) of *Strongyloides stercoralis*. *Parasite* 8: 163-167. PMID: 11474985
48. **Siddiqui, A. A.** & Berk, S.L. 2001. Diagnosis of *Strongyloides stercoralis* infection. *Clinical Infectious Diseases* 33:1040-1047. PMID: 22673715
49. Myers, J.W., Simmons, C.I., Berk, S.L. & **Siddiqui, A.A.** 2000. A case of *Strongyloides stercoralis* in a young pregnant woman: Successful treatment with ivermectin and detection of circulating antigens. *Rivista di Parassitologia*. XVII (LXI): 203-208.
50. **Siddiqui, A.A.**, Stanley, C.S., Skelly, P.J. & Berk, S.L. 2000. A cDNA encoding a nuclear hormone receptor of the steroid/thyroid hormone receptors superfamily from the human parasitic nematode, *Strongyloides stercoralis*. *Parasitology Research* 86: 24-29. Erratum appeared in: *Parasitology Research* 86: 613. PMID: 10780735
51. Chakkalath, H.R., **Siddiqui, A.A.**, Shankar, A.H., Dobson, D.E., Beverley, S.M. & Titus, R.G. 2000. Priming of a β -galactosidase (β -GAL)-specific Type 1 response in Balb/c mice infected with β -GAL-transfected *Leishmania major*. *Infection & Immunity* 68: 809-814. PMID: 10639450
52. **Siddiqui, A.A.**, Stanley, C.S., & Berk, S.L. 2000. A cDNA encoding the highly immunodominant antigen of *Strongyloides stercoralis*: γ -subunit of isocitrate dehydrogenase (NAD⁺). *Parasitology Research* 86: 279-283. PMID: 10780735
53. **Siddiqui, A.A.**, Stanley, C.S., & Berk, S.L. 2000. Cloning and expression of isocitrate lyase from human round worm, *Strongyloides stercoralis*. *Parasite* 7: 233-236. PMID: 11031761
54. Robinson, J., Ahmed, Z, **Siddiqui, A.A.**, Roy, T., Berk, S.L., Smith, J.K. & Krishnaswamy, G. 1999. A patient with persistent wheezing, sinusitis, elevated IgE and eosinophilia. *Annals of Allergy Asthma & Immunol.* 82: 144-149. PMID: 10071516
55. **Siddiqui, A.A.**, Guiterrez, C & Berk, S.L. 1999. Diagnosis of *Strongyloides stercoralis* by Acid-Fast Staining. *Journal of Helminthology* 73: 187-188.

56. Smith, J.K., **Siddiqui, A.A.**, Modica, L., Dykes, R., Simmons, C., Schmidt, J., Krishnaswamy, G. & Berk, S.L. 1999. Interferon alpha upregulates gene expression of aquaporin-5 in cultured human parotid glands. *J. Interferon Cytokine Res.* 19: 929-935. PMID: 10476940
57. Smith, J.K., **Siddiqui, A.A.**, Krishnaswamy, G.A., Dykes, R., Berk, S.L., Magee, M., Joyner, W & Cummins, J. 1999. Oral interferon-alpha stimulates ISG-15 transcription and production by human buccal epithelial cells. *Journal of Interferon Cytokine Research* 19: 923-928. PMID: 10476939
58. **Siddiqui, A.A.**, Garland, J.R., Dalton, M.B. & Sinensky, M. 1998. Evidence for a high-affinity, saturable, farnesylation dependent p21H-ras binding site in plasma membranes. *Journal of Biological Chemistry* 273 (6): 3712-3717. PMID: 9452502
59. Hota-Mitchell, S., **Siddiqui, A.A.**, Dekaban, G.A., Smith, J. Tognon, C. & Podesta, R.B. 1997. Protection against *Schistosoma mansoni* infection with recombinant baculovirus-expressed subunit of calpain. *Vaccine* 15: 1631-1640. (Note: Both H-MS and AAS are joint first authors). PMID: 9364694
60. **Siddiqui, A.A.**, Koenig, N., Sinensky, M. & Berk, S. 1997. *Strongyloides stercoralis*: Identification of Antigens in Natural Human Infections from Endemic Areas of the United States. *Parasitology Research* 83: 655-658. PMID: 9272553
61. **Siddiqui, A.A.**, Zhou, Y., Podesta, R.B., Karcz, S.R., Clarke, M.W., Strejan, G.H., Dekaban, G.A. & Tognon, C.E. 1993. Characterization of Ca²⁺-dependent neutral protease (calpain) from human blood flukes, *Schistosoma mansoni*. *Biochim Biophys Acta* 1181: 37-44. PMID: 8457603
62. **Siddiqui, A.A.**, Podesta, R.B. & Clarke, M.W. 1991. *Schistosoma mansoni*: Characterization and identification of calcium-binding proteins associated with the apical plasma membrane and envelope. *Experimental Parasitology* 72: 63-68. PMID: 1847106
63. Karcz, S.R., Podesta, R.B., **Siddiqui, A.A.**, Dekaban, G.A., Strejan, G.H. & Clarke, M.W. 1991. Molecular cloning and sequence analysis of a calcium-activated neutral protease (calpain) from *Schistosoma mansoni*. *Molecular and Biochemical Parasitology* 49: 333-336. PMID: 1775175
64. Podesta, R.B. & **Siddiqui, A.A.** 1991. Regulation of gene expression in parasitic flatworms. *Parasitology Today* 7: 285-287. PMID: 15463391
65. **Siddiqui, A.A.**, Zhou, Y., Podesta, R.B. & Clarke, M.W. 1990. Isolation of a highly enriched plasma membrane fraction of *Trypanosoma brucei* by free-flow electrophoresis. *Molecular and Biochemical Parasitology* 40:95-104. PMID: 2348834
66. **Siddiqui, A.A.**, Lei, Y., Fusco, A.C. & Salafsky, B. 1990. Radiolabeling of *Necator americanus* third stage larvae with ⁷⁵Se-methionine. *Parasitology Research* 76: 722-723.
67. Mueller, J., Ellenberger, B., Fusco, A.C., Salafsky, B. & **Siddiqui, A.A.** 1989. A method for the collection of *Necator americanus* larvae. *Journal of Helminthology* 63: 77-78.

68. Ahmad, M., **Siddiqui, A.A.** & Nizami, W.A. 1987. *In vitro* influence of mebendazole on egg production and observations on early development and emergence of miracidium of *Gigantocotyle explanatum*. *Advances in Biosciences* 6: 107-113.
69. **Siddiqui, A.A.**, Karcz, S.R. & Podesta, R.B. 1987. Developmental and immune regulation of protein synthesis in *Hymenolepis diminuta*. *Molecular and Biochemical Parasitology* 25: 19-28. PMID: 2444880
70. **Siddiqui, A.A.** & Podesta, R.B. 1987. Developmental regulation of protein synthesis in *Hymenolepis diminuta*: Subcellular localization of proglottid specific gene products. *Cellular and Molecular Biology* 33:637-645. PMID: 3690616
71. **Siddiqui, A.A.** 1986. Developmental regulation of protein synthesis in *Hymenolepis diminuta*. Ph.D. Thesis. University of Western Ontario, London, Ontario, Canada. *Dissertation Abstracts* 1986, 47(10): Sect. B, 4089.
72. Shivers, R.R., **Siddiqui, A.A.** & Podesta, R.B. 1986. Integument of the tapeworm scolex. 1. Freeze-fracture of the syncytial layer, microvilli and discoid bodies. *Tissue & Cell*, 18: 869-885. PMID: 18620183
73. **Siddiqui, A.A.**, Ahmad, M. & Nizami, W.A. 1986. Phosphatase system of some common poultry parasites: *Ascaridia galli* and *Cotugnia digonopora*. *Indian Veterinary Journal* 63: 14-17.
74. **Siddiqui, A.A.**, Siddiqi, A.H. & Haque, M. 1985. Acid phosphatases of six species of digenetic trematodes. *Indian Journal of Parasitology* 9: 49-53.
75. **Siddiqui, A.A.** & Podesta, R.B. 1985. Subcellular fractionation of *Hymenolepis diminuta* with special reference to marker enzymes. *Journal of Parasitology* 71: 415-421. PMID: 4032148
76. **Siddiqui, A.A.** & Podesta, R.B. 1985. Developmental regulation of protein synthesis in *Hymenolepis diminuta*: 2-dimensional electrophoretic and fluorographic analysis of polypeptide synthesis in formation of brush border membranes. *Cellular and Molecular Biology* 31: 209-216. PMID: 4016836
77. **Siddiqui, A.A.** & Podesta, R.B. 1985. Developmental regulation of protein synthesis in *Hymenolepis diminuta*: 2-dimensional electrophoretic and fluorographic analysis of protein synthesis in oncospheres. *Journal of Parasitology* 71: 119-122. PMID: 3981338
78. **Siddiqui, A.A.** & Nizami, W.A. 1985. 5'-nucleotidase activities and substrate affinity in digenetic trematodes. *Journal of Helminthology* 59: 263-266. PMID: 2999222
79. **Siddiqui, A.A.** & Nizami, W.A. 1984. Changes in the level of phosphatases of *Ascaridia galli* and *Cotugnia digonopora* following *in vitro* action of mebendazole. *Indian Journal of Parasitology* 8: 151-153.
80. **Siddiqui, A.A.** & Nizami, W.A. 1982. Seasonal population dynamics of the metacercariae of *Clinostomum complanatum* in relation to the sex of the host. *Rivista di Parassitologia*, 43: 275-279.

81. **Siddiqui, A.A.** & Nizami, W.A. 1982. Kinetic and electrophoretic studies on acid and alkaline phosphatases of the metacercariae of *Clinostomum complanatum*. Journal of Helminthology 56: 17-22.
82. **Siddiqui, A.A.** & Nizami, W.A. 1981. Biochemical composition and carbohydrate metabolism of the metacercariae of *Clinostomum complanatum* (Trematoda: Digenea). Journal of Helminthology 55:89-93.

BOOK CHAPTERS:

1. Zhang, W., Molehin, A., Patel, P., Kim, E., Peña, A. & **Siddiqui, A.A.** 2020. Testing of *Schistosoma mansoni* Vaccine Targets. In: Timson D. (eds) *Schistosoma mansoni*. Methods in Molecular Biology, Humana, New York, NY, Vol. 2151, pp. 229-262. PMID: 32452009
2. **Siddiqui, A.A.** 2013. Chapter 7, Parasitology. In: Microbiology: PreTest™ Microbiology, Grisham, M.W. (editor), 14th Edition. McGraw-Hill Education, New York. pp. 335-381.
3. **Siddiqui, A.A.** & Berk, S.L. 2013. Strongyloidiasis. Elsevier's First Consult (http://www.mdconsult.com/das/pdxmd/body/0/0?type=med&eid=9-u1.0-_1_mt_2001309).
4. **Siddiqui, A.A.**, Genta, R.M., Maguilnik, I. & Berk, S.L. 2011. Strongyloidiasis. Chapter 117. In Guerrant, R.L., Walker, D.H., Weller, R.F. (eds): Tropical Infectious Diseases – Principles, Pathogens and Practice. 3rd Edition. Elsevier, Edinburgh. pp. 805-812.
5. **Siddiqui, A.A.**, Genta, R.M., Berk, S.L. 2005. Strongyloidiasis. Chapter 111. In Guerrant R.L., Walker, D.H., Weller, R.F. (eds): Tropical Infectious Diseases, 2nd Edition. Elsevier, Philadelphia, pp. 1274-1285.
6. **Siddiqui, A.A.** 2005. Stool for Ova and Parasites. Chapter 70. In Gantz, N.M., Brown, R.B., Berk, S.L. & Myers, J.W.: Manual of Clinical Problems in Infectious Disease, 5th Edition. Lippincott, Williams & Wilkins, Philadelphia. pp 441-444.
7. **Siddiqui, AA.** 2004. Faculty contributor to several chapters. In: First Aid for the Match (Editors, Le, T., Bhushan, V., Amin, C., Berk, S. and Collisson E.), 3rd Edition. McGraw-Hill Medical Publishing Division, New York.
8. **Siddiqui, A.A.** Genta, G.M., & Berk, S.L. 2002. Strongyloidiasis. Chapter 70, In: Infections of Gastrointestinal Tract, 2nd Edition. (Editors: Blaser, Smith, Ravdin, Greenberg & Guerrant). Lippincott, Williams & Wilkins, Philadelphia. pp 1113-1126.
9. Salafsky, B., Fusco, A.C. & **Siddiqui, A.A.** 1990. *Necator americanus*: Factors influencing skin penetration by larvae. In: *Hookworm Disease: Current Status and New Directions* (Editors: Schad, G.A. and Warren, K.S.). Taylor & Francis, London, New York, Philadelphia. 329-339.
10. **Siddiqui, A.A.**, Amarin, M.M. & Jones, B.R. 1989. *Biomphalaria glabrata*, a continuing environmental biodeteriogen: Alterations in the levels of some hydrolases following *Schistosoma mansoni* infection. 1. Phosphatases and n-acetyl-β-D-glucosaminidase. In: *Biodeterioration Research 2 - General Biodeterioration, Degradation, Mycotoxins, Biotoxins, and Wood Decay* (Editor: O'Rear, C.E. and Llewellyn, G.C.). Plenum Press, New York. 627-637.

11. Podesta, R.B., **Siddiqui, A.A.** & Ansell, M.T. 1986. Isolation of parasite surface membranes. In: *Nuclear and Related Techniques of Parasitology - A Laboratory Manual* (Editors, Hayunga, E.G. and Stek, Jr., M.). A Technical Document (IAEA-TECDOC-371) Issued by the International Atomic Energy Agency, Vienna, Austria. 123-132.

GENERAL INTEREST ARTICLES:

1. **Siddiqui, A.A.** 2003. SARS: Prudence and Vigilance – not Panic. Amarillo Globe News, May 4, 2003.
2. **Siddiqui, A.A.** 2002. Parasites major health threat. Amarillo Globe-News, May 27, 2002.
3. **Siddiqui, A.A.** 2001. Resolved: Never surrender to bigotry. Amarillo Globe-News, November 26, 2001.
4. **Siddiqui, A.A.** & Siddiqui, J. 1984. Parasitic diseases recognize no borders. Western News. University of Western Ontario, London, Canada. Feb. 23, 1984.

SUBMITTED/ACCEPTED/IN PRESS ARTICLES

1. Zhang, W., Molehin, A.J., Khatoon, S., Sudduth, J., Jiménez, P., Kernen, R., Peterson, C., Peña, A., Patel, P.U., May, J., Ahmad, G., Torben, W., Le, L., Mechref, M., Wang, J., Carey, D., Reuter, N., Williams, W.R., Preno, A., Stevens, T., Gerber, M.W., Mayer, B.T., Papin, J.F., Gray, S.A., Marks, F., Carter, D., & **Siddiqui, A.A.** 2021. Sm-p80-based schistosomiasis vaccine: Regimen optimization for human trials and field deployment, exposure to infective larvae providing re-stimulation of long-term vaccine-mediated immunity in nonhuman primates. NPJ Vaccines (Manuscript # NPJVACCINES-01630 Submitted on 08/24/2021)

ABSTRACTS AND INVITED SEMINARS/GRAND ROUNDS*:

1. **Siddiqui, A.A. 2019.** Sm-p80-based schistosomiasis vaccine: Update on human clinical trials in USA and Africa. 5th Edition International Conference on Vaccines Research & Development, Boston, MA (November 18-20, 2019).
2. **Siddiqui, A.A. 2019.** Sm-p80-based schistosomiasis vaccine: Update on human clinical trials in USA and Africa. 2019 Annual ISV Congress, International Convention Centre, Ghent, Belgium (October 27-29, 2019).
3. **Siddiqui, A.A. 2019.** Characteristics of Sm-p80-based vaccine (SchistoShield®) and update on human Phase I trials in the USA and Africa. Efficacy Readouts for a Schistosomiasis Vaccine. Bill and Melinda Gates Foundation, Seattle, WA (September 20, 2019)
4. **Siddiqui, A.A. 2019.** 3M-052-Alum as an adjuvant for a Schistosomiasis Vaccine. 3M-52 Convening. Bill and Melinda Gates Foundation, Seattle, WA (September 23-24, 2019)

5. ***Siddiqui, A.A.** 2019. Vaccine against a parasitic disease: Schistosomiasis. IVI's 19th International Vaccine Course. Seoul, Korea. (September 2 – 5, 2019).
6. ***Siddiqui, A.A.** 2019. Sm-p80-based schistosomiasis vaccine: Update on human clinical trials in USA and Africa. UT Health School of Public Health, Houston, TX (August 14, 2019).
7. ***Siddiqui, A.A.** 2019. Sm-p80-based schistosomiasis vaccine: Preparation for human clinical trials. Department of Medicine Lecture Series. University of Massachusetts Medical School. Worcester, MA. (May 22, 2019).
8. ***Siddiqui, A.A.** 2019. Sm-p80-based schistosomiasis vaccine: Update on human clinical trials. Global Health Lecture Series. TTUHSC. Lubbock, TX. (March 27, 2019).
9. ***Siddiqui, A.A.** 2019. Sm-p80-based schistosomiasis vaccine: Preparation for human clinical trials. Grand Rounds Lecture Series. Department of Internal Medicine. TTUHSC. Lubbock, TX. (February 21, 2019).
10. ***Siddiqui, A.A.** 2019. Sm-p80-based schistosomiasis vaccine: Preparation for human clinical trials. Leiden University Medical Center. Leiden, The Netherlands. (February 6, 2019).
11. Molehin, A.J., Zhang, W., & **Siddiqui, A.A.** 2019. In vitro evaluation of antibody-dependent complement-mediated cell cytotoxicity in Sm-p80 vaccine-mediated protection against *Schistosoma mansoni*. "Complement Regulation and Human Diseases". Israeli Science Foundation/Advanced School in Sciences, the Hebrew University. Jerusalem, Israel. (February 11 – 13, 2019).
12. ***Siddiqui, A.A.** 2018. The performance of the baboon as a late stage model for schistosomiasis. Development of Praziquantel Alternatives for Schistosomiasis Treatment, Bill & Melinda Gates Foundation. London, The United Kingdom. (December 3 – 4, 2018).
13. ***Siddiqui, A.A.** 2018. Sm-p80-based schistosomiasis vaccine: Preparation for human clinical trials. The Schistosomiasis Action Plan: next generation research on the road towards elimination. Global Schistosomiasis Alliance. New Orleans, LA (October 28, 2018).
14. ***Siddiqui, A.A.** 2018. Vaccines against a Parasitic Disease: Schistosomiasis. IVI's 18th International Vaccine Course. Seoul, Korea. (September 3 – 7, 2018).
15. ***Siddiqui, A.A.** 2018. Schistosomiasis Vaccine. Key Note Address – 2018 Permian Basin Research Forum. Odessa, TX. (April 19, 2018).
16. Stylianou, A., **Siddiqui, A.A.**, & Anderson, R.M. 2017. Modelling the effect of a potential vaccine application on the schistosome parasite dynamics. American Journal of Tropical Medicine and Hygiene 95 (5):558.
17. ***Siddiqui, A.A.** 2017. Sm-p80 Vaccine Development Roadmap Discussion. National Institute of Allergy and Infectious Diseases. Gaithersburg, MD. (September 27, 2017).

18. ***Siddiqui, A.A.** 2017. Animal Studies in Vaccine Development. IVI's 17th Vaccinology Course. Seoul, Korea. (September 4 – 8, 2017).
19. ***Siddiqui, A.A.** 2017. Sm-p80-Based Vaccine for Intestinal and Urinary Schistosomiasis. Translational Strategies to Prevent Tropical Diseases. Tropical Infectious Diseases, Gordon Research Conference. Galveston, TX (March 12 – 17, 2017).
20. Johnson, L., Molehin, A.J., Rojo, J., Zhang, W & **Siddiqui, A.A.** 2016. Evaluating Sm-p80 vaccine cross-species protection against *Schistosoma haematobium* in hamsters. Infectious Diseases Week. New Orleans, LA. (October 26 – 30, 2016).
21. ***Siddiqui, A.A.** & Siddiqui, S.Z. 2016. Sm-p80-based schistosomiasis vaccine: A step closer to human clinical trials. 5th KE Mott symposium on schistosomes and flukes, 12th European Multicolloquium of Parasitology (EMOP XII). Turku, Finland. (July 20 – 24, 2016).
22. Rojo, J.U., Kottapalli. K.R., Zhang, W., Molehin, A. J., Karmakar, S., Sudduth, J., Johnson, L., Chitturi, C., Lee, J. & **Siddiqui, A.A.** 2016. Systems biology approach to predict efficacy of Sm-p80 vaccine in nonhuman primates. CHI's 23rd International Molecular Medicine Tri-Con. Moscone North Convention Center. San Francisco, CA. (March 6 – 11, 2016).
23. Molehin, A.J., Zhang, W., Rojo, J.U., Karmakar, S., Herrera, K.A., Johnson, L., Lee, J., Chitturi, C., Rattan, M., Sudduth, J. & **Siddiqui, A.A.** 2016. Sm-p80 vaccine confers cross-species protection against *Schistosoma japonicum* infection in mice. Symposium for International Research and Innovation in Schistosomiasis. Biomedical Research Institute/George Washington University. Washington, D.C. (February 3 – 4, 2016).
24. Rojo, J.U., Kottapalli. K.R., Zhang, W., Molehin, A. J., Karmakar, S., Sudduth, J., Johnson, L., Chitturi, C., Lee, J. & **Siddiqui, A.A.** 2016. Systems biology approach to predict immunogenicity of Sm-p80 vaccination in baboons. Symposium for International Research and Innovation in Schistosomiasis. Biomedical Research Institute/George Washington University. Washington, D.C. (February 3 – 4, 2016).
25. Herrera, K., Molehin, A.J., Zhang, W., Rojo, J., Karmakar, S., Ahmed, Z., & **Siddiqui, A.A.** 2015. *Schistosoma mansoni* Sm-p80 vaccine confers cross-species protection against *Schistosoma japonicum* in mice. SACNAS National Conference - The Diversity in STEM conference. Washington, D.C. (October 29 – 31, 2015).
26. ***Siddiqui, A.A.** 2015. Vaccines for Neglected Infectious Diseases: Schistosomiasis Research and Progress on Schistosomiasis Vaccine. World Vaccine Congress, Walter E. Washington Convention Center. Washington, D.C. (April 7 – 9, 2015).
27. ***Siddiqui, A.A.** 2015. Schistosomiasis Vaccine: Coming at a Snail's Pace. Institutional Grand Rounds, School of Medicine, TTUHSC. Amarillo, TX. (March 25, 2015).
28. ***Siddiqui, A.A.** 2015. Update on Schistosomiasis Vaccines. Gordon Research Conference on Tropical Infectious Diseases. Galveston, TX. (March 8 – 13, 2015).

29. ***Siddiqui, A.A.** 2015. Snail Fever Vaccine: Coming at a Snail's Pace. Translational Research Seminars, Department of Internal Medicine, TTUHSC. Lubbock, TX. (February 4, 2015).
30. Zhang, W., Karmakar, S., Le, L., Rojo, U. & **Siddiqui, A.A.** 2014. Sm-p80-based vaccine against Schistosomiasis. The Modes of Action of Vaccine Adjuvants. Keystone Symposia on Molecular and Cellular Biology. Sheraton Seattle Hotel. Seattle, WA. (October 8 – 13, 2014).
31. ***Siddiqui, A.A.** 2014. Global Health Lecture. Vaccine for a Neglected Tropical Disease, Schistosomiasis. TTUHSC. Lubbock, TX. (May 7, 2014).
32. ***Siddiqui, A.A.** 2013. Development of a vaccine against the human parasitic disease, Schistosomiasis. Natural Science Colloquium, Illinois Wesleyan University. Bloomington, IL. (November 15, 2013).
33. ***Siddiqui, A.A.** 2013. Sm-p80-based Vaccine for Schistosomiasis. National Institute of Allergy and Infectious Diseases, NIH. Bethesda, MD. (November 13, 2013).
34. ***Siddiqui, A.A.** 2013. SchistoShield®: Sm-p80-based vaccine for schistosomiasis. Schistosomiasis Elimination Strategy and Potential Role of Vaccine in Achieving Global Health Goals Meeting, Co-Sponsored by National Institute of Allergy and Infectious Diseases and the Bill & Melinda Gates Foundation. Seattle, WA. (March 12 – 13, 2013).
35. ***Siddiqui, A.A.** 2013. Schistosomiasis vaccine. South and Central Asia Fulbright Conference, United States India Educational Foundation. Cochin, India. (February 24 – 27, 2013).
36. ***Siddiqui, A.A.** 2013. Sm-p80-based vaccine for schistosomiasis. Professor Wajih A. Nizami Memorial Lecture, Department of Zoology, Aligarh University. Aligarh, India. (February 11 – 12, 2013).
37. ***Siddiqui, A.A.** 2011. Sm-p80 as a vaccine candidate for *Schistosoma mansoni*. Neglected Tropical Diseases: Defining Opportunities to Accelerate Translational Research. NIAID/National Institutes of Health. Bethesda, MD. (March 9 – 11, 2011).
38. ***Siddiqui, A.A.** 2009. Sm-p80 as a vaccine candidate for *Schistosoma mansoni*. Center of Excellence for Infectious Diseases, Paul L. Foster School of Medicine, TTUHSC. El Paso, TX. (June 23, 2009).
39. Torben, W., Noor, Z., Ahmad, G., Zhang, W., Kennedy, R.C. & **Siddiqui, A.A.** 2009. Passive transfer of IgG from mice and baboons vaccinated with Sm-p80-based DNA vaccine formulation confers protection against schistosome infection in mice. American Society of Parasitologists, 84th Annual Meeting. Knoxville, TN. (August 14 – 17, 2009).

40. Zhang, W., Ahmad, G., Noor, Z., Torben, W., Le, L. & **Siddiqui, A.A.** 2009. Sm-p80-based vaccine in a human approved vector VR1020 confers protection against *Schistosoma mansoni* in a murine model. American Society of Parasitologists, 84th Annual Meeting. Knoxville, TN. (August 14 – 17, 2009).
41. Ahmad, G., Torben, W., Zhang, W., Wyatt, M., Damian, R.T., Wolf, R., White, G.L., Kennedy, R.C. & **Siddiqui, A.A.** 2008. Assessment of DNA Vaccination Strategies for Schistosomiasis Candidate Antigen, Sm-p80 in Mouse and Nonhuman Primate Models. 2nd Vaccine Congress. Boston, MA. (December 7 – 9, 2008).
42. **Siddiqui, A.A.** & Kennedy, R.C. 2007. Sm-p80 based DNA vaccine for *Schistosoma mansoni*. Third International Conference – DNA Vaccines 2007. Malaga, Spain. (May 23 – 25, 2007).
43. Bailey, N.I., **Siddiqui, A.A.** & Srivenugopal, K.S. 2006. Use of *Caenorhabditis elegans* as a model for studying MGMT's role in DNA transactions. Proc Amer Assoc Cancer Res., 47, 64.
44. Samad, K.A., Bailey, N.I., Srivenugopal, K.S., **Siddiqui, A.A.** & Berk, S.L. 2006. Differential gene expression of aging related daf genes in response to dauer forming pheromone (Daumone) in the nematode, *Caenorhabditis elegans*. Fifth Annual Research Day, School of Pharmacy, TTUHSC. Amarillo, TX. (August 2 – 4, 2006).
45. Bailey, N., **Siddiqui, A.A.**, & Srivenugopal, K. 2005. Use of *Caenorhabditis elegans* as a model for studying MGMT's role in DNA transactions. Fourth Annual Research Day, School of Pharmacy, TTUHSC. Amarillo, TX. (July 28 – 29, 2005).
46. ***Siddiqui, A.A.** 2005. Diagnosis and Treatment of Strongyloidiasis. Internal Medicine Grand Rounds, TTUHSC. Amarillo, TX. (December 7, 2005).
47. ***Siddiqui, A.A.** 2003. Sm-p80 as a Vaccine Candidate for Schistosomiasis. Prospects for Schistosomiasis Vaccine Development Symposium. UNDP/World Bank/WHO-TDR special panel. Manila, Philippines. (October 6 – 8, 2003).
48. ***Siddiqui, A.A.** 2003. An Update on Schistosome Vaccines. Internal Medicine Grand Rounds, TTUHSC. Amarillo, TX. (May 28, 2003).
49. Santolaya-Forgas, J., Leon-Luis, J.A.D., Pinkston, J.R. & **Siddiqui, A.A.** 2003. Specific and degenerative primers for RhD/CE blood type could be a way for detecting chimerism after in-utero transfusion of human progenitor cells in baboon model. Society for Gynecologic Investigation. Washington, D.C. (March 27 – 30, 2003).
50. Shah, R.B., **Siddiqui, A.A.** & Khan, M. A. 2003. A validated HPLC assay for simultaneous analysis of salmon calcitonin and duck ovomucoid. American Association of Pharmaceutical Scientist's Annual Meeting and Exposition. Salt Lake City, UT. (October 26 – 30, 2003).

51. Palamakula, A., **Siddiqui, A.A.** & Khan M. 2003. Evaluation of permeability characteristics of coenzyme Q10 using caco-2 cell monolayers. American Association of Pharmaceutical Scientist's Annual Meeting and Exposition. Salt Lake City, UT. (October 26 – 30, 2003).
52. **Siddiqui, A.A.** & Berk, S.L. 2002. Steroids induce differential gene expression in *Strongyloides stercoralis* larvae. 10th International Congress on Infectious Diseases. Singapore (March 11 – 14, 2002).
53. **Siddiqui, A.A.** & Berk, S.L. 2002. Characterization of a steroid-inducible gene (Daf-12) of *Strongyloides stercoralis*. First Annual Research Day, School of Pharmacy, TTUHSC. Amarillo, TX. (May 21 – 22, 2002).
54. **Siddiqui, A.A.** 2002. Molecular Vaccines for Schistosomiasis. First Annual Research Day, School of Pharmacy, TTUHSC. Amarillo, TX. (May 21 – 22, 2002).
55. Zaghloul, A.A., Mustafa, F., **Siddiqui, A.A.** & Khan, M.A. (2002). Beta Estradiol biodegradable microspheres, effects of formulation parameters on *in vitro* release behavior. American Association of Pharmaceutical Scientists. Toronto, Canada. (November 10 – 14, 2002).
56. Mustafa, S., Shah, R., Motlekar, N., Zaghloul, A., **Siddiqui, A. A.** & Khan M. 2002. Controlled drug delivery of estrogen from biodegradable microparticles for osteoporosis therapy. American Association of Pharmaceutical Scientists. Toronto, Canada. (November 10 – 14, 2002).
57. ***Siddiqui, A.A.** 2001. Schistosomiasis - Grand Rounds, TTUHSC. Amarillo, TX. (November 7, 2001).
58. **Siddiqui, A.A.**, Stanley, C.S. & Berk, S.L. 2000. Isolation and characterization of antigens of *Strongyloides stercoralis*. Annual meeting of the Southeastern Society of Parasitologists. Chattanooga, TN.
59. ***Siddiqui, A.A.** & Berk, S.L. 2000. Strongyloidiasis - Grand Rounds, TTUHSC. Amarillo, TX.
60. Smith, K.J., Stanley, C.S., Dykes, R., Armstrong, S. & **Siddiqui, A.A.** 2000. Aquaporin 5 is phosphorylated in response to Interferon- α treatment of Human Parotid Gland Cells *in vitro*. Molecular Biology and Physiology of Water and Solute Transport. Gothenburg, Sweden.
61. Ahmad, Z., Simmons, C., McCosky, E., Roy, T.M., Berk, S.L. & **Siddiqui, A.A.** 1999. Identification of a glucocorticoid receptor-like homologue in *Strongyloides stercoralis*. American Lung Association/American Thoracic Society International Conference. San Diego, CA.

62. Smith, K.J., **Siddiqui, A.A.**, Modica, L.A., Schmidt, J., Dykes, R., Simmons, C., Krishnaswamy, G. & Berk, S.L. 1999. Interferon- α upregulates gene expression of aquaporin 5 in human parotid glands. Gordon Research Conference on Saliva and Salivary Gland. Ventura, CA.
63. Magee, M., Dykes, R., **Siddiqui, A.A.**, Rusinol, A. & Smith, J.K. 1999. Immunolocalization of Ro (SSA) antigens in human parotid cells: The effect of tumor necrosis factor- α and interferon- α . 15th Annual Research Forum, ETSU. Johnson City, TN.
64. Schmidt, J., Smith, K.J., **Siddiqui, A.A.**, Modica, L.A., Dykes, R., Simmons, C., Krishnaswamy, G. & Berk, S.L. 1999. Interferon- α upregulates gene expression of aquaporin 5 in human parotid glands. 15th Annual Research Forum, ETSU. Johnson City, TN.
65. Tingler, W.L., Simmons, C., Berk, S.L. & **Siddiqui, A.A.** 1999. Cloning of a glucocorticoid receptor-like homologue in the human roundworm, *Strongyloides stercoralis*. 15th Annual Research Forum, ETSU. Johnson City, TN.
66. Berk, S.L., Smith, K.J. and **Siddiqui, A.A.** 1998. Effect of Interferon- α on Interferon Stimulated Gene-15 and Aquaporin-5. Presented to the Scientific Board of the Amarillo Cell Culture Company. Amarillo, TX.
67. ***Siddiqui, A.A.** 1998. Surface antigens of the blood fluke, *Schistosoma mansoni* as vaccine targets. Biological Sciences Seminar Series, ETSU. Johnson City, TN.
68. Ahmad, Z., Hourany, J., Roy, T.M., Berk, S.L. & **Siddiqui, A.A.** 1998. First report of a glucocorticoid receptor homologue in parasitic plathyhelminth (*Strongyloides stercoralis*). 14th Annual Research Forum, ETSU. Johnson City, TN.
69. Magee, A., Smith, J.K., **Siddiqui, A.A.**, Krishnaswamy, G.A., Dykes, R., Hall, K., Cummins, J. & Berk, S.L. 1998. Alpha interferon stimulates ISG-15 transcription and production in human buccal epithelial cells. 14th Annual Research Forum. ETSU. Johnson City, TN.
70. Mubarak, J., **Siddiqui, A.A.**, Krishnaswamy, G., Hall, K., Berk, S.L. & Chi, D.S. 1997. Human immune responses in *Strongyloides stercoralis* infected patients. 13th Annual Research Forum. ETSU. Johnson City, TN.
71. **Siddiqui, A.A.**, Garland, J., Dalton, M. & Sinensky, M. 1997. Evidence of high affinity saturable farnesylation dependent p21H-ras binding site in plasma membranes. 17th International Congress of Biochemistry and Molecular Biology. San Francisco, CA.
72. **Siddiqui, A. A.**, Wang, L. & Berk, S.L. 1997. Identification and characterization of immunodominant antigens of *Strongyloides stercoralis*. Annual Meeting of the American Society of Parasitologists. Nashville, TN.
73. **Siddiqui, A. A.** & Berk, S. L. 1997. Strongyloidiasis Revisited. Molecular Medicine Seminar Series, ETSU. Johnson City, TN.

74. ***Siddiqui, A.A.** 1996. Development of an efficacious naked DNA vaccine against human schistosomiasis. Department of Internal Medicine, ETSU. Johnson City, TN.
75. ***Siddiqui, A.A.** 1996. Schistosome Vaccines. Department of Biochemistry and Molecular Biology, College of Medicine, ETSU. Johnson City, TN.
76. **Siddiqui, A. A.** 1996. The role of farnesylation in the association of p21Hras with mammalian cell membranes. 31st Annual Southeastern Regional Lipid Conference. Cashiers, NC.
77. Mubarak, J., **Siddiqui, A.A.**, Chi, D.S., Krishnaswamy, G., Hall, K. & Berk, S.L. 1996. Analysis of immunodominant antigens and humoral immune responses to *Strongyloides stercoralis* in Humans. Am. Soc. Microbiol. General Meeting. Miami Beach, FL.
78. **Siddiqui, A.A.**, Skelly, P.J., Titus, R.G. & Shoemaker, C.B. 1995. Immunization against a sand fly salivary immunosuppressive protein protects against murine leishmaniasis. Gene Therapy & Nucleic Acid Vaccine Strategies. Bethesda, MD.
79. Shoemaker, C.B., **Siddiqui, A.A.**, Skelly, P.J., Lanzaro, G.C., Santos, A.H., Ribeiro, J.M. & Titus, R.G. 1995. Immunization against a peptide vasodilator from sand fly protects against leishmanial transmission in mice. NIH/WHO Parasite Vaccine Symposium. Washington, D.C. Toxicon 34(3): 302–303.
80. **Siddiqui, A.A.**, Skelly, P.J., Titus, R.G. & Shoemaker, C.B. 1995. Immunization against maxadilan protects against transmission of leishmaniasis. Molecular Parasitology Meetings. Woods Hole, MA.
81. **Siddiqui, A.A.**, Skelly, P.J., Titus, R.G. & Shoemaker, C.B. 1995. Development of a naked-DNA based transmission blocking vaccine against leishmaniasis. Gordon Conference-Parasitism. New London, NH.
82. ***Siddiqui, A.A.** 1993. Characterization of a surface antigen of the human blood fluke, *Schistosoma mansoni*. Department of Biochemistry, University of Guelph. Guelph, Canada. (April 1993).
83. ***Siddiqui, A.A.** 1993. Surface antigens of the human blood fluke, *Schistosoma mansoni*. Department of Zoology, University of Western Ontario, London, Canada. (February 1993).
84. **Siddiqui, A.A.**, Harris, R., Dekaban, G.A. & Podesta, R.B. 1993. Visualization of two *Schistosoma mansoni* genes expressed in BEVS using confocal laser scanning microscopy. 20th Annual Meetings of Microscopical Society of Canada, Toronto. Toronto, Canada.
85. Dekaban, G.A., **Siddiqui, A.A.**, Hota, S., Smith, J., Strejan, G., Clarke, M.W. & Podesta, R.B. 1993. Expression and immunogenicity studies of *Schistosoma mansoni* membrane proteins. Modern Approaches to New Vaccines. Cold Spring Harbor Laboratory, NY.

86. ***Siddiqui, A.A.** 1993. Calpain: a potential schistosome vaccine candidate. Cleveland Clinic Foundation. Cleveland, Ohio.
87. **Siddiqui, A.A.**, Ansari, M.H., Chen, L., Keet, M., MacGregor, T. & Podesta, R.B. 1992. Characterization of the surface membrane calcium-binding proteins of human blood flukes, *Schistosoma mansoni*. 35th Annual Meeting of the Canadian Federation of Biology Societies. Victoria, Canada.
88. **Siddiqui, A.A.**, Tognon, C.E., Clarke, M.W. & Podesta, R.B. 1992. Electrophoretic identification of phosphopolypeptides of *Trypanosoma brucei* plasma membranes. 67th Annual Meetings of the American Society of Parasitologists. Philadelphia, PA.
89. Clarke, M.W., Strejan, G., Dekaban, G., Hota, S., **Siddiqui, A.A.** & Podesta, R.B. 1992. Molecular and immunological analysis of parasite-derived calpain in *Schistosoma mansoni* infections. 67th Annual Meetings of the American Society of Parasitologists. Philadelphia, PA.
90. Chen, L., Tognon, C.E., **Siddiqui, A.A.** and Podesta, R.B. 1992. Identification of phosphopolypeptides associated with the surface membrane complex of the human blood fluke, *Schistosoma mansoni*. 67th Annual Meetings of the American Society of Parasitologists. Philadelphia, PA.
91. Lin, M., Ansari, M.H., MacGregor, T., **Siddiqui, A.A.**, Simonsen, N.J., & Podesta, R.B. 1992. Characterization of elongation factor 1b of the human blood fluke, *Schistosoma mansoni*. 67th Annual Meetings of the Am. Society of Parasitologists. Philadelphia, PA.
92. Rintoul, G., Harris, R., **Siddiqui, A.A.** & Podesta, R.B. 1992. Changes in free calcium levels in *Schistosoma mansoni* in response to complement C3b. 67th Annual Meetings of the Am. Society of Parasitologists. Philadelphia, PA.
93. MacGregor, T.G., Keet, M., Ansari, M.H., **Siddiqui, A.A.** & Podesta, R.B. 1992. Antibody response to calcium-binding proteins of *Schistosoma mansoni* in mice. 67th Annual Meetings of the American Society of Parasitologists. Philadelphia, PA.
94. **Siddiqui, A.A.**, Hota, S., Keet, M., MacGregor, T., Clarke, M.W., Strejan, G., Dekaban, G. & Podesta, R.B. 1992. Immunological studies on calcium-binding proteins of *Schistosoma mansoni*. Modern Approaches to New Vaccines. Cold Spring Harbor Laboratory, NY.
95. Podesta, R.B. & **Siddiqui, A.A.** 1989. Cuticular dynamics in *Dirofilaria immitis* determined by secondary ion beam mass spectroscopy. Canadian Society of Immunology Meetings. Lake Louise, Alberta, Canada.
96. **Siddiqui, A.A.** 1988. Some aspects of early hookworm (*Necator americanus*) penetration. Midwest Tropical Disease Meetings. Madison, WI.
97. Salafsky, B., Fusco, A.C. & **Siddiqui, A.A.** 1988. Chemoprophylaxis in schistosomiasis and hookworm infection. 5th SEA/WP RMP. Beijing, China.

98. Jones, B.R., Amarin, M.M. & **Siddiqui, A.A.** 1988. Kinetic studies on changes in phosphatase levels in *Biomphalaria glabrata* following *Schistosoma mansoni* infection. Annual Meetings of the FASEB. Las Vegas, NV.
99. **Siddiqui, A.A.**, Fusco, A.C. & Salafsky, B. 1988. Identification of chemical stimuli for the penetration of *Necator americanus* third stage larvae *in vitro*. Annual Meeting of the American Society of Tropical Medicine and Hygiene. Washington, D.C.
100. ***Siddiqui, A.A.** 1987. Developmental and Immune Regulation of Gene Expression in Parasitic Flatworms. New England Biolabs. Beverly, MA. (November 1987).
101. Amarin, M.M., **Siddiqui, A.A.** & Jones, B.R. 1987. Surface topographic variations of cilia on *Biomphalaria glabrata* and kinetic studies of changes in phosphatase levels following *Schistosoma mansoni* infection. Southeast Electron Microscopy Society. Savannah, GA.
102. Amarin, M.M., **Siddiqui, A.A.** & Jones, B.R. 1987. Alterations in the levels of acid and alkaline phosphatases of *Biomphalaria glabrata* following *Schistosoma mansoni* infection. 4th Annual Nabrit Symposium. Atlanta, GA.
103. ***Siddiqui, A.A.** 1987. Developmental Regulation of Protein Synthesis in *Hymenolepis diminuta*. Department of Biology, Morehouse College. Atlanta, GA. (February 1987).
104. ***Siddiqui, A.A.** 1986. Protein Synthesis in Cestodes. Department of Zoology, University of Western Ontario. London, Canada. (March 1986).
105. Podesta, R.B., Karcz, S., Ansell, M., Edwards, M., Barnard, B., Faulkner, N., **Siddiqui, A.A.**, & Silva, E. 1986. Canadian perspectives in cell and molecular parasitology. Canadian Society of Zoology Meetings. Saskatoon, Canada.
106. **Siddiqui, A.A.**, Karcz, S.R. & Podesta, R.B. 1986. Immune regulation of gene expression in *Hymenolepis diminuta*. Annual Midwestern Conference of Parasitologists. Columbia, MO.
107. **Siddiqui, A.A.**, Karcz, S.R. & Podesta, R.B. 1985. Developmental regulation of protein synthesis in *Hymenolepis diminuta*. Annual Midwestern Conference of Parasitologists. Columbus, OH.
108. **Siddiqui, A.A.** & Podesta, R.B. 1983. Developmental regulation of proteins in *Hymenolepis diminuta* - Host-Parasite interface. 58th Annual Meetings of the American Society of Parasitologists. San Antonio, TX.
109. ***Siddiqui, A.A.** 1983. Gene Regulation in Parasites. Spineless Society Meetings, University of Western Ontario. London, Canada. (September 1983).
110. Ahmad, M., **Siddiqui, A.A.** & Nizami, W.A. 1982. Rate of egg expulsion, development and emergence of miracidia of *Gigantocotyle explanatum*. 4th National Congress of Parasitology. Aligarh, India.

111. Nizami, W.A., Ahmad, M., **Siddiqui, A.A.** & Arifin, M. 1982. Some aspects of helminth physiology in relation to microenvironment. 4th International Symposium of the Helminthological Institute SAS. Patria, Czechoslovakia.
112. **Siddiqui, A.A.**, Siddiqi, A.H. & Haque, M. 1982. Studies on the kinetics of acid phosphatases and the effect of anthelmintics on enzyme activity in six species of digenetic trematodes. 4th National Congress of Parasitology. Aligarh, India.
113. **Siddiqui, A.A.** & Nizami, W.A. 1981. Kinetic studies on non-specific phosphomonoesterases of the metacercariae of *Clinostomum complanatum*. 3rd National Congress of Parasitology. Hissar, India.

REVIEWER FOR JOURNALS/RESEARCH GRANTS/CONSULTANT/NIH STUDY SECTIONS:

1. Grant Reviewer, NIH/NIAID, Tropical Medicine Research Centers [(ZAI1-EC-M-J1) (NIAID-RFA-AI-21-004)]. October 18-19, 2021
2. Grant Reviewer, Special Emphasis Panel/Scientific Review Group 2020/10 ZAI1 LK-M (S1) Clinical Trial Implementation Cooperative Agreement (U01) and Investigator Initiated Extended Clinical Trial (R01), DHHS/NIH/NIAID/DEA. June 26, 2020
3. Reviewer for the Future Leaders – African Independent Research (FLAIR), The Royal Society, UK (October 2019).
4. Grant Reviewer, National Cancer Institute Special Emphasis Panel, NCI, ZCA1 RPRB-6 (C1). TEP-11: SBIR Contract Review. March 01, 2019.
5. Grant Reviewer, Marató TV3 2017 on Infectious diseases, Agency for Health Quality and Assessment of Catalonia. June 2018.
6. Grant Reviewer, Vaccine Development for Infectious Diseases (VDID) peer review panel of the 2018 Peer Reviewed Medical Research Program (PRMRP) for the Department of Defense Congressionally Directed Medical Research Programs (CDMRP). June/July 2018.
7. Grant Reviewer, “Repurposing Target-Based Pharmaceutical Libraries for Discovery of Therapeutics against Eukaryotic Pathogens (R21/R33)” National Institute of Allergy and Infectious Diseases, Special Emphasis Panel: ZAI1 TS-M (S1). July 9, 10 and 12, 2018.
8. Grant Reviewer, Pasteur - Fiocruz - Sao Paulo University call for the projects, October 2017.
9. Grant Reviewer, US Department of Defence (DoD) Congressionally Directed Medical Research Programs (CDMRP) Peer Reviewed Medical Research Program (PRMRP). December 2017.
10. Grant Reviewer, Dual Purpose with Dual Benefit: Research in Biomedicine and Agriculture, Center for Scientific Review, National Institutes of Health, ZRG1 IDM-N 50 R. March 21, 2017
11. Grant Reviewer/Co-Chair, Tropical Medicine Research Centers (U19), NIAID Special Emphasis Panel, ZA1AWA-M (J1). October 25 – 27, 2016.
12. Grant Reviewer, Fellowships: Infectious Diseases and Microbiology, Center for Scientific Review (National Institutes of Health), RG1 F13-C 20. November 19 – 20, 2015.
13. Grant Reviewer, NIAID International Collaborations in Infectious Diseases Research (ICIDR) Research Project Cooperative Agreement (U01) and Multiproject Cooperative Agreement (U19) grant applications, ZAI-AWA-M-S1. July – August 2014.

14. Grant Reviewer, Netherlands Organisation for Scientific Research, Division for Chemical Sciences, The Hague, The Netherlands. December 2013.
15. External PhD thesis examiner, University of Queensland Graduate School, Brisbane, Australia. December 2013.
16. Member, General and Plastic Surgery Devices Panel Meeting, Center for Devices and Radiological Health, FDA. June 25 – 26, 2013.
17. Grant Reviewer, Czech Science Foundation, Prague, Czech Republic. July 2013.
18. Grant reviewer of multi-project grant applications (U19) for NIAID Centers of Excellence in Translational Research (CETR), ZAI1-LR-M-J1. July 2013.
19. Grant Reviewer, National Institute of Allergy and Infectious Diseases, Partnerships for Interventions to Treat Chronic, Persistent and Latent Infections J6. ZAI1 JKB-M (J6). December 2012.
20. Expert evaluator, Romanian National Council for Scientific Research. 2011 – 2012.
21. Grant Reviewer, National Institute of Allergy and Infectious Diseases Tropical Medicine Research Centers, ZAI1 AWA - M (J1). September 2011.
22. Grant Reviewer, National Institute of Allergy and Infectious Diseases, ZAI-FDS-M (S1). May 2011.
23. Grant Reviewer, Center for Scientific Review (National Institutes of Health). ZRG1 IDM (03), Center for Scientific Review Special Emphasis Panel. March 2011.
24. Grant Reviewer, National Institute of Allergy and Infectious Diseases, Parasitology Review Panel ZAI1 GSM-M (J2), International Collaborations in Infectious Disease (ICIDR). November 2009.
25. Grant Reviewer, Republic of Italy, Ministry of Labor, Health and Social Policies, Department of Innovation, General Directorate for Health and Technologies Research, September 2009; July 2010; July 2013; December 2013.
26. Grant Reviewer, Center for Scientific Review (National Institutes of Health). ZRG1 IDM-C (58) R-RFA09-003 Challenge Grants Panel. July 2009.
27. Grant Reviewer, Center for Scientific Review (National Institutes of Health). ZRG1 IMM-E (58) R, Center for Scientific Review Special Emphasis Panel. July 2009.
28. Grant Reviewer, Georgia Research Alliance (GRA) Collaboration Planning Grant proposals, Oak Ridge Associated Universities (ORAU), Oak Ridge, TN. May 2009.
29. Grant Reviewer, Center for Scientific Review (National Institutes of Health), Immunological Sciences IRG - Immunity and Host Defense Study Section (IHD). May 2004.
30. Grant Reviewer, Center for Scientific Review (National Institutes of Health), Immunological Sciences IRG - Inflammation and Innate Immunity Study Section. September 2004.
31. Consultant to the Immunology Devices Panel, Medical Devices Advisory Committee, Center for Devices and Radiological Health, Food and Drug Administration. (March 20, 2005 – March 19, 2009); Reappointed. March 20, 2009 – March 19, 2013).
32. Consultant to the General Hospital and Personal Use Devices Panel, Medical Devices Advisory Committee, Center for Devices and Radiological Health, Food and Drug Administration. (January 1, 2011 – December 31, 2014); Reappointed (December 31, 2014 – December 30, 2018). Reappointed (December 30, 2018 – December 29, 2022)
33. Reviewer, Academic Promotion, Ministry of Higher Education, King Saud University, Riyadh, Saudi Arabia (December 21, 2009; March 12, 2014).

34. External peer-reviewer, Research and Practitioner Fellowships, National Health and Medical Research Council, Australia. May 2010.
35. Editorial Board Member, Parasitology Research (May 12, 2011 – present)
36. Editorial Board Member, Annals of Tropical Medicine & Parasitology (July 4, 2011 – December 31, 2011); Renamed - Pathogen and Global Health (January 1, 2012 – present)
37. Editorial Board Member, The Scientific World Journal (September 27, 2011)
38. Scientific Advisory Board for our Global Health Primer, BIO Ventures for Global Health (February 15, 2012 – present).

- **Reviewed grants for:**

- AOA Medical Research Society
- Women's Health Research Institute, Amarillo
- School of Medicine Seed Research Grant Program
- Southwest Cancer Treatment and Research Center
- American Heart Association

- **Invited to review research papers for:**

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| 1. Parasitology | 25. Cytokine |
| 2. Journal of Parasitology | 26. PLOS Pathogens (Guest Editor) |
| 3. Experimental Parasitology | 27. Human Vaccines & Immunotherapeutic |
| 4. Molecular & Biochemical Parasitology | 28. Medical Science Monitor |
| 5. Annals of Allergy Asthma and Immunology | 29. International Immunopharmacology |
| 6. Journal of Helminthology | 30. Clinical and Molecular Allergy |
| 7. Comparative Biochemistry & Physiology | 31. Cellular & Molecular Biology Letters |
| 8. Clinical Infectious Diseases | 32. Virology Journal |
| 9. American Journal of Tropical Medicine and Hygiene | 33. Parasitology Research |
| 10. Tropical Medicine and International Health | 34. Microbes and Infection |
| 11. Acta Parasitologica | 35. PLoS Neglected Tropical Diseases (Associate Editor, Guest Editor) |
| 12. Vaccine | 36. Annals of Tropical Medicine and Parasitology |
| 13. Haematologica (Associate Editor) | 37. European Journal of Immunology |
| 14. Trends in Parasitology | 38. Infection and Immunity |
| 15. Journal of Infectious Diseases | 39. Immunology and Cell Biology |
| 16. Clinical & Diagnostic Laboratory Immunology | 40. PLoS Neglected Tropical Diseases |
| 17. Expert Opinion on Biological Therapy | 41. Frontiers in Evolutionary and Genomic Microbiology |
| 18. Acta Tropica | 42. Journal of Veterinary Science & Technology |
| 19. Journal of Infection | 43. Journal of Clinical Microbiology |
| 20. Expert Opinion on Pharmacotherapy | 44. Clinical and Vaccine Immunology |
| 21. FASEB Journal | 45. African Journal of Biotechnology |
| 22. International Archives of Allergy and Immunology | 46. Biomedcentral Immunology |
| 23. International Journal for Parasitology | 47. Current Medicinal Chemistry |
| 24. Open Veterinary Journal | |

48. International Journal of Tropical Disease & Health
49. World Journal of Gastroenterology
50. Current Medicinal Chemistry
51. Annual Review & Research in Biology
52. PLOS One
53. Journal of Bacteriology & Parasitology
54. Frontiers Research Topics in Immunology
55. Immunology & Cell Biology
56. Expert Review of Proteomics
57. Parasites & Vectors
58. Tropical Biomedicine
59. Virulence
60. Emerging Topics in Life Sciences
61. International Journal of Infectious Diseases
62. Trop Med and Infectious Disease
63. International Journal of Tropical Diseases
64. International Journal of Marine Biology and Research
65. Journal of Pediatrics and Pediatric Medicine
66. Case Reports in Surgery
67. International Journal of Molecular Sciences
68. SAGE Open Medical Case Reports
69. Biotechnology Progress
70. SOJ Pharmacy and Pharmaceutical Sciences
71. Brain Research Bulletin
72. BMC Immunology
73. International Journal of Nursing and Health Care Research
74. Medical Sciences
75. Asian Pacific Journal of Tropical Medicine
76. Communications Biology
77. Infectious Disorders - Drug Targets
78. Journal of Emergency, Critical Care and Diagnostic Management
79. MDPI
80. Microbial Pathogenesis
81. Journal of Clinical and Translational Hepatology
82. International Journal of Radiation Biology
83. Nature Communications
84. Journal of Tropical Medicine
85. Associate Editor, Frontiers of Tropical Diseases

SERVICE ON COMMITTEES:

Citywide Committees

- Bioterrorism Working Group, City of Amarillo, TX (2000 – 2006)
- Metropolitan Medical Response System (MMRS) Steering Committee, Amarillo (2002).
- Member subcommittee on Bioterrorism.

Department of Veterans Affairs, Thomas E. Creek VA Medical Center

- Research & Development Committee (2000 – 2006)
- R & D Subcommittee on Safety in Research (2000 – 2006)

Conference Committees

- Organizer, Agricultural Medicine & Rural Health Workshop, Texas Tech University Health Sciences Center, Amarillo, December 15, 2000
- Member, Organizing Committee and Curriculum Committee, 53rd Southwest Conference on Diseases in Nature Transmissible to Man (DIN), June 25 – 27, 2003, Amarillo, TX

Texas Tech University Health Sciences Center

- Member, Search/Advisory Committee, Senior Vice President for Research and Innovation, TTUHSC (2019)
- Member, Search Committee, Chief of Gastroenterology, Department of Internal Medicine, TTUHSC-SOM (2019)

- TTUHSC representative to the TTUS committee on institutional collaborations in research, scholarly activity, international programs (2016 – 2018)
- Chair, Hearing Committee, School of Pharmacy, TTUHSC (2017)
- Vice Chair, Search Committee, Senior Vice President for Research, TTUHSC (2017)
- Member, Promotion & Tenure Committee, Graduate School of Biomedical Sciences, TTUHSC (2016 – 2018)
- Member, Admission and Diversity Committee, School of Medicine, TTUHSC (2015 – 2018)
- Member/Chair-elect, Research Committee, School of Medicine, TTUHSC (2015 – 2018)
- Member, Search Committee, Dean, School of Allied Health, TTUHSC (2015)
- Member/Chair-elect, Post Tenure Review Peer Committee, School of Medicine (2015 – 2018)
- Member, Small Business Innovation Research/Small Business Technology Transfer Research (SBIR/STTR) Resource Center Committee, TTU System (2014 – 2015)
- Member, Advisory Committee for the Image Analysis Core Facility, TTUHSC (2013)
- Chair, Dean's Committee for Teaching Academy Evaluation, SOM, TTUHSC (2013)
- Member, Research Advisory Committee, TTUHSC (2013)
- Member, Search Committee for Chair of Pharmacology and Neuroscience, TTUHSC (2013)
- Member, Search Committee for Dean, Graduate School of Biomedical Sciences, TTUHSC (2012)
- Member, School of Medicine, Admissions Selection Committee (2011 – 2016)
- Member, Grant Management System Committee, TTU System (2011 – 2012)
- Member, Grievance Committee, School of Medicine (2010 – 2012)
- Member, Hearing Committee, School of Medicine (2010 – 2013)
- Member, The TTUHSC School of Medicine Teaching Academy, (2010 – present)
- Director, Faculty and Student Recruitment, Department of Microbiology and Immunology, TTUHSC (2010)
- Member, International Affairs Council, TTUHSC, Lubbock (2009 – 2010)
- Member of TTUHSC team for Southern Association of Colleges and Schools and Liaison Committee on Medical Education site visits review (2009)
- Member, Preliminary Data Grant Program Grant Review Committee, TTUHSC, Lubbock (2008 – 2010)
- Member, Space Committee, TTUHSC, Lubbock (2008 – 2010)
- Member, Dean of Nursing Search Committee, TTUHSC, Lubbock (2008 – 2009)
- Member, President's Excellence Award Selection Committee, TTUHSC, Lubbock (2008)
- Member, School of Medicine, Bridge Grant Review Committee (2007)
- Elected Secretary, Graduate Faculty, Graduate School of Biomedical Sciences, TTUHSC, Lubbock (2007 – 2008)
- Member, Graduate Council, Graduate School of Biomedical Sciences, TTUHSC, Lubbock (2007 – 2008)
- Coordinator for the Dean's Grand Round Series (2007 – 2008)
- Member, Scientific Advisory Committee, Faculty Clinical Research Unit, Amarillo (2006 – present)
- Member, Executive Council, Women's Health Research Institute (2005).
- Member, Pre-Summit Curriculum Theme Team – Genomics (2004)
- Admissions Committee, School of Medicine (2003 – 2011)
- Tenure and Promotion Committee (2003 – 2007; 2008 – 2012)
- Faculty Development Committee, Amarillo (2003 – 2006)

- Member, Research Committee (2002 – 2006)
- Member, Radiation Safety Committee (2002-2007)
- Member, subcommittee for the development of Clinical Skills Resource Learning Center, Amarillo (2001 – 2002)
- Chair, subcommittee of Standard Operating Procedures, IACUC, Amarillo (2002)
- Protocol Violation Subcommittee, IACUC (2004 – 2005)
- Institutional Animal Care and Use Committee (2000 – 2005)
- Grievance Hearing Committee, School of Medicine (2001 – 2003; 2021-present)
- Search Committee for Chair, Department of Pharmacology (Lubbock) (2001)
- Faculty Appointments Committee (Amarillo) (2000 – 2007)
- Faculty Oversight Subcommittee for Education and Research (Amarillo) (2000 – 2001)

OTHER RECOGNITIONS:

1. Professional Member, New York Academy of Sciences (2017 – present)
2. Member, National Academy of Inventors (2017 – present)
3. Fellow, The Royal Society of Medicine, UK (2014 – present)
4. *Who's Who in American Education* (7th Edition), Marquis Who's Who, New Providence, NJ, USA (2006 – 2007)
5. *Who's Who in America* (60th Diamond Anniversary Edition), and 2007, Marquis Who's Who, New Providence, NJ, USA (2006)
6. AcademicKeys *Who's Who in Medicine Higher Education* (2009)

REFERENCES:

Available upon request

PERSONAL:

Married (Shahana Siddiqui), Children (Bilal A. Siddiqui, MD and Sabrina Z. Siddiqui, MD, MPH)