

**Emily Catherine Somers, PhD ScM**  
**née Papadopoulos**  
**Professor of Internal Medicine with tenure**  
**Professor of Environmental Health Sciences, Professor of Obstetrics and Gynecology**  
University of Michigan  
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## **Education and Training**

### **Education**

09/1993-05/1997 BS, Biology and Music, University of Michigan, Ann Arbor, MI  
09/1997-05/1999 ScM, Epidemiology, Johns Hopkins School of Hygiene and Public Health, Baltimore, MD  
(Advisors: George Comstock, MD DrPH; Michele Petri, MD MPH)  
11/2002-11/2006 PhD, Epidemiology and Population Health, London School of Hygiene & Tropical  
Medicine, London, UK (Advisor: Sir Andrew J. Hall, MBBS MSc PhD)

### **PostDoctoral Training**

01/2008-12/2010 Postdoctoral Research Fellow, Postdoctoral Translational Scholars Program, University of  
Michigan, Ann Arbor, MI

## **Academic, Administrative, Clinical, Research and Military Appointments**

### **Academic Appointments**

01/2004-06/2007 Lecturer in Internal Medicine, Division of Rheumatology, University of Michigan School of  
Medicine, Ann Arbor, MI  
07/2007-03/2009 Research Assistant Professor in Internal Medicine, Division of Rheumatology, University  
of Michigan School of Medicine, Ann Arbor, MI  
04/2009-08/2014 Assistant Professor in Internal Medicine, Division of Rheumatology, University of Michigan  
School of Medicine, Ann Arbor, MI  
01/2011-08/2014 Assistant Professor in Environmental Health Sciences, University of Michigan School of  
Public Health, Ann Arbor, MI  
10/2012-08/2014 Assistant Professor in Obstetrics and Gynecology, University of Michigan School of  
Medicine, Ann Arbor, MI  
09/2014-08/2021 Associate Professor, Schools of Medicine & Public Health, Departments of Internal  
Medicine, Environmental Health Sciences and Obstetrics & Gynecology, University of  
Michigan, Ann Arbor, MI (Tenured)  
09/2021-present Professor, Schools of Medicine & Public Health, Departments of Internal Medicine,  
Environmental Health Sciences and Obstetrics & Gynecology, University of Michigan, Ann  
Arbor, MI (Tenured)

### **Administrative Appointments**

09/2016-present Lead Epidemiologist, Research Development Core, Michigan Institute for Clinical & Health  
Research (MICHHR), University of Michigan, Ann Arbor, MI  
03/2019-present Faculty Director, Interdisciplinary Research & Team Science, Michigan Institute for Clinical  
& Health Research (MICHHR), University of Michigan, Ann Arbor, MI

### **Research Positions**

05/1994-09/1994 Laboratory Assistant, Clinical Microbiology Department, The Genesee Hospital,  
Rochester, NY  
05/1995-06/1996 Laboratory Assistant, Department of Microbiology and Immunology, University of  
Michigan, Ann Arbor, MI  
01/1996-08/1997 Research Assistant, Division of Rheumatology, University of Michigan, Ann Arbor, MI

01/1998-06/1999	Research Program Coordinator II, Division of Rheumatology, Johns Hopkins School of Medicine, Baltimore, MD
09/1999-08/2002	Research Associate II/Epidemiologist, Division of Rheumatology, University of Michigan, Ann Arbor, MI
09/2002-12/2003	Senior Research Associate/Epidemiologist, Division of Rheumatology, University of Michigan, Ann Arbor, MI

## Clinical Interests

- autoimmune, rheumatic and musculoskeletal diseases; including subclinical autoimmunity and immune dysregulation
- systemic lupus erythematosus
- women's health
- adolescent idiopathic scoliosis
- COVID-19

## Research Interests

- Epidemiology, public health surveillance/registries, and interventions in autoimmune, rheumatic and musculoskeletal diseases
- Clinical epidemiology and pharmacoepidemiology, including clinical trials design, post-marketing surveillance and real-world evidence in healthcare decision making
- Environmental and life course epidemiology, including gene-environment interactions and epigenetic alterations during vulnerable stages
- Women's health issues and sex disparities in autoimmune, rheumatic and musculoskeletal diseases, including predictors of reproductive health and preservation of ovarian reserve in persons exposed to gonadotoxic therapies
- COVID-19 clinical characterization, screening, prevention and management

## Grants

### Current Grants

*6 U01 DP006489: Michigan Lupus Epidemiology & Surveillance (MILES) Program Longitudinal Cohort & Biobank*  
Centers for Disease Control and Prevention (CDC/NCCDPHP)  
Somers EC, PI  
09/2019-08/2022. \$2,527,899 (\$842,633)

*3 UL1 TR002240-04S1: Michigan Institute for Clinical and Health Research (MICHHR) NIH-DHHS-US- 16-PAF04360; 20-PAF08169*  
Co-I with Effort (Principal Investigator: Mashour GA)  
06/2017-02/2023. \$48,548,399

*CNS Pain Mechanisms in Early Rheumatoid Arthritis: Implications for the Acute to Chronic Pain Transition* NIH  
Co-I with Effort (Principal Investigator: Lee Y)  
09/2020-08/2025

### Submitted Grants

*K08: Thromboinflammatory consequences of infection-induced autoimmunity* NIH  
Co-I without Effort (Principal Investigator: Zuo Y (mentee))  
09/2022-08/2027. \$863,760

*K08: The microbiome, microbial metabolites, and stem cell differentiation in the gut* NIH  
Co-I without Effort (Principal Investigator: Golob J (mentee))  
09/2022-08/2027. \$972,000

*Autoantibody profiling in systemic lupus erythematosus and population controls* Rheumatology Research Foundation  
Co-I without Effort (Principal Investigator: Littlejohn E (mentee))  
09/2022-08/2025. \$675,000 (\$225,000)

*Michigan Institute for Clinical and Health Research (MICHR) NIH- 20-PAF06072*  
Co-I with Effort (Principal Investigator: Lumeng J ;Mashour GA)  
03/2022-02/2027. \$62,020,725

### **Past Grants**

*1U01 DP006265-01: Michigan Lupus Epidemiology & Surveillance (MILES) Program Longitudinal Cohort & Biobank*  
CDC- 16-PAF03691  
Somers, Emily Catherine, PI  
09/2016-09/2019. \$2,925,000

*U01/CCU522826: Michigan Lupus Epidemiology & Surveillance (MILES) Longitudinal Cohort & Biobank Centers for*  
*Disease Control and Prevention- 11-PAF04407*  
Somers, Emily Catherine, PI  
09/2012-09/2016. \$3,000,000 (\$750,000)

*5 P50 AR070600-05: University of Michigan Fibromyalgia CORT NIH-DHHS-US- 16-PAF02746*  
Co-I with Effort (Principal Investigator: Clauw, Daniel J; Brummett, Chad M)  
09/2016-08/2021. \$7,415,237

*U58/CCU 522826: Michigan Lupus Epidemiology & Surveillance (MILES) Program Centers for Disease Control and*  
*Prevention (Prime)/Michigan Department of Community Health*  
Emily Somers, PhD, ScM & W. Joseph McCune, MD, PI  
10/2004-06/2012. \$4,369,972 (\$572,507)

*5 UL1 TR002240-05: Michigan Institute for Clinical and Health Research (MICHR) NIH-DHHS-US- 16-PAF04360*  
Co-I with Effort (Principal Investigator: Mashour, GA)  
06/2017-02/2022. \$48,220,260 (\$9,644,052)

*5 K01 ES019909-05: Immune dysfunction associated with early life heavy metal exposure NIH/NIEHS- 10-*  
*PAF06962*  
Somers, Emily Catherine, PI  
06/2011-11/2016. \$669,600 (\$133,920)

*Longitudinal antinuclear antibody titers from pre-clinical to clinical SLE* Lupus Foundation of America (LFA)  
Other (Principal Investigator: Littlejohn, Emily A; mentee)  
10/2019-09/2021. \$140,000 (\$70,000)

*N012244: Epidemiologic insights related to RA and SLE and etiology* Arthritis Foundation- 10-PAF01904  
Somers, Emily Catherine, PI  
09/2010-08/2013. \$150,000 (\$50,000)

*Defining and identifying patient characteristics associated with successful glucocorticoid tapering in rheumatoid*  
*arthritis* MICHR KL2  
Other (Principal Investigator: Wallace, Beth; mentee)  
01/2020-12/2021. \$150,000 (\$75,000)

*UL1 TR000433: Non-invasive prediction of incidence and progression of kidney disease in patients with systemic*  
*lupus erythematosus* MICHR Pilot Grant Program T2  
Somers/Ju, Co-PI  
07/2016-12/2017. \$50,000

*Antibodies to neutrophil extracellular traps and antiphospholipid antibody syndrome* Rheumatology Research  
Foundation (RRF)  
Other (Principal Investigator: Zuo, Yu Ray; mentee)  
10/2019-10/2020. \$200,000 (\$100,000)

5 R01 HL088419-04: *Abnormal Vascular Repair in Lupus: a Link to Premature Atherosclerosis* NIH-DHHS-US- 09-1645

Co-I with Effort (Principal Investigator: Kaplan, Mariana J)  
08/2009-05/2013. \$1,512,352 (\$378,088)

5 R01 HD066139-04: *A randomized controlled trial of GnRH agonist therapy in women with rheumatic diseases receiving cyclophosphamide.* NIH-DHHS-US- 10-PAF01934

Co-I with Effort (Principal Investigator: Mccune, William J)  
09/2010-05/2015. \$3,868,533 (\$773,333)

P30ES017885: *Methylmercury and genespecific DNA methylation of CD4+ T cells in lupus* UM EHS P30 (NIH /NIEHS Prime)

Somers, Emily Catherine, PI  
04/2015-03/2016. (\$35,000)

5R01AR064850: *Central Pain Mechanisms, Pain Intensity and Drug Response in Rheumatoid Arthritis* NIH/NIAMS

Co-I (Principal Investigator: Lee)  
07/2016-06/2018. (\$112,307)

T42 OH008455 08: *NIOSH Training Grant: The University of Michigan Education and Research Center* NIH/NIOSH

Other (Principal Investigator: Stuart Batterman, PhD)  
07/2009-06/2013. \$636,194

2UL1TR000433: *Neurocognitive assessments of children born to mothers SLE exposed to azathioprine in utero* NIH (NCATS) Prime / MICHHR

Co-I with Effort (Principal Investigator: Wendy Marder, MD)  
08/2013-07/2014. \$50,000

UL1 TR002240: *Acupressure for Fatigue and Co-occurring Symptoms in Systemic Lupus Erythematosus* MICHHR T2 Pilot Grant

Co-I (Principal Investigator: Harris, RE / Zick, S)  
06/2017-05/2018. \$50,000

*Epigenetic diagnostics and treatments for lupus* NIH (NCATS) Prime / MICHHR

Co-I (Principal Investigator: Bruce Richardson, MD, PhD)  
10/2012-12/2012. \$50,000

SSF: *Clinical Significance of Circadian Rhythms Disruption in Sjogren's Syndrome Pathogenesis* Sjogren's Syndrome Foundation- 15-PAF04377

Co-I (Principal Investigator: Papagerakis, Petros)  
07/2015-06/2016. \$20,000

LFA: *Genetic/Epigenetic Modeling of Male Lupus Risk* Lupus Foundation Of America- 11-PAF01368

Co-I with Effort (Principal Investigator: Richardson, Bruce C)  
10/2010-09/2011. \$100,000 (\$100,000)

*Lupus prEGnAnCY (LEGACY) Cohort (ranked 1 of 107 applications)* Canadian Institutes of Health Research (CIHR)

Other (Principal Investigator: Vinet)  
09/2017-08/2018. (\$100,000)

CYP-CL-002: *Complement Activation Products in the Assessment of Lupus (CAPITAL)* Cypress Bioscience, Inc.- 10-PAF05966

Somers, Emily Catherine, PI  
07/2010-05/2011. \$19,600 (\$19,600)

T42 OH008455 08: *Michigan BIRCWH Career Development Program* National Institutes of Health- 10-PAF01935

Other (Principal Investigator: Timothy Johnson, MD)  
08/2010-06/2015. \$2,322,716

*CMMI-1233095: Stochastic modeling and optimization of longitudinal health care coordination* National Science Foundation- 12-PAF04268  
Other (Principal Investigator: Mark Van Oyen, PhD and Blake Roessler, MD)  
09/2012-08/2015. \$420,000

*2T42 OH008455-12: The University of Michigan Education and Research Center for Occupational Health* NIH /NIOSH  
Other (Principal Investigator: Stuart Batterman, PhD)  
07/2013-06/2018. \$8,576,869 (\$1,463,729)

*Pilot grant: Anti-Mullerian hormone (AMH) in women with systemic lupus erythematosus after cyclophosphamide therapy, with and without GnRH therapy* NIH (NCATS) Prime / MICHR  
Co-I with Effort (Principal Investigator: Wendy Marder, MD MS)  
01/2010-12/2010. \$5,000

*5R01 AR064850-04: Central Pain Mechanisms, Pain Intensity and Drug Response in Rheumatoid Arthritis* SubK- NIH-DHHS-US through a consortium with Brigham and Women's Hospital- 13-PAF01278  
Co-I (Principal Investigator: Marder, Wendy E)  
07/2013-06/2018. \$337,832 (\$88,510)

*Postdoctoral Translational Scholars Program* NIH (NCATS) Prime / MICHR  
Emily Somers, PhD, MsC, PI  
01/2008-12/2010. \$100,000

*LCTC: A Prospective Registry to Study Presentation, Clinical Course, Treatment Patterns, and Outcomes in Patients with Systemic Lupus Erythematosus* Lupus Clinical Trials Consortium- 09-PAF01242  
Co-I (Principal Investigator: Mccune, William J)  
07/2009-06/2014. \$548,750 (\$109,750)

*T32 AR007080-38: Rheumatology training grant: The training of arthritis research scientists* NIH/NIAMS- 11-PAF05258  
Other (Principal Investigator: Amr Sawalha)  
07/2012-06/2017. \$1,323,570

*LFA: Genetic/Epigenetic Modeling of Male Lupus Risk* Lupus Foundation Of America- 08-4427  
Co-I with Effort (Principal Investigator: Richardson, Bruce C)  
10/2008-09/2010. \$200,000 (\$100,000)

*OMRF: Lupus Family Registry and Repository* Oklahoma Medical Research Foundation- 09-PAF01697  
Co-I (Principal Investigator: Mccune, William J)  
06/2009-05/2014. \$17,660 (\$3,532)

*ALR: Tissue-Based Molecular Fingerprints in Lupus Nephritis* Alliance for Lupus Research- 07-0780  
Co-I with Effort (Principal Investigator: Kretzler, Matthias)  
02/2007-01/2009. \$423,366 (\$209,656)

*Clinical trial planning grant: Efalizumab vs. placebo for SLE* NIH (NCATS) Prime / MICHR  
Co-I with Effort (Principal Investigator: Bruce Richardson, MD PhD)  
01/2009-12/2009. \$56,500

*NACDD: Michigan Lupus Registry* SubK-CDCP-DHHS-US through a consortium with National Association for Chronic Disease Directors- 09-0573  
Co-I with Effort (Principal Investigator: Mccune, William J)  
04/2008-06/2009. \$93,750 (\$93,750)

*Novel biomarkers of cardiovascular risk in systemic autoimmunity* NIH (NCATS) Prime / MICHR  
Co-I (Principal Investigator: Mariana J. Kaplan, MD)  
04/2008-03/2009. \$75,000

*LFA: Mechanisms of Abnormal Phenotype and Function of Bone Marrow Endothelial Progenitor Stem Cells* Lupus Foundation Of America- 07-4652

Co-I with Effort (Principal Investigator: Kaplan, Mariana J)  
10/2007-09/2008. \$100,000 (\$100,000)

*AF: Functional, biochemical, and structural markers of cardiovascular risk in systemic lupus: a longitudinal study and clinical trial* Arthritis Foundation

Co-I with Effort (Principal Investigator: W. Joseph McCune, MD)  
07/2002-06/2007. \$416,665

*Development of SLE clinical trials infrastructure* Lupus Clinical Trials Consortium, Inc.

Co-I with Effort (Principal Investigator: W. Joseph McCune, MD)  
01/2004-01/2007. \$337,500

*AF/ALR: Novel Mechanisms of Premature Atherosclerosis in Lupus* Arthritis Foundation/Alliance for Lupus Research- 05-0603

Co-I with Effort (Principal Investigator: Kaplan, Mariana J)  
06/2005-05/2007. \$200,000 (\$100,000)

*#1762: Endothelial dysfunction in children and adults with systemic lupus erythematosus* General Clinical Research Center

Co-I (Principal Investigator: W. Joseph McCune, MD)  
05/2001-05/2006. \$304,429

*2DD-SOM-A-11: Epidemiology and Coexistence of Rheumatic and Autoimmune Diseases in the United Kingdom* General Practice Research Database Arthritis Foundation- 04-0797

Somers, Emily Catherine, Non-Faculty PI  
07/2004-06/2006. \$20,000 (\$10,000)

*UK Government: Comorbidity and pharmacoepidemiology of autoimmune diseases in the United Kingdom* General Practice Research Database United Kingdom Overseas Research Student Award

Emily Somers, PhD, ScM, PI  
10/2002-06/2005. \$49,000

*LRI: Endothelial cell death in females with SLE; mechanisms and associations with premature vascular disease* Lupus Research Institute

Co-I with Effort (Principal Investigator: Mariana Kaplan, MD)  
08/2002-07/2005. \$225,000

*016.0034: Rheumatoid arthritis DMARD intervention and utilization study (RADIUS 1)* Amgen/Immunex Corporation

Other (Principal Investigator: David Fox, MD)  
03/2002-04/2005. \$12,400

*#1719: Clinical and immunologic effects of mycophenolate mofetil (MMF) in SLE: randomized controlled trial comparing MMF vs. placebo* General Clinical Research Center

Co-I (Principal Investigator: W. Joseph McCune, MD)  
01/2001-01/2004. \$71,000

*#1883: Does DHEA improve endothelial function in premenopausal women with systemic lupus?* General Clinical Research Center

Co-I (Principal Investigator: W. Joseph McCune, MD)  
09/2002-03/2004. \$74,354

*02-2658: Connective tissue disease cohort* Genentech, Inc.

Other (Principal Investigator: David Fox, MD)  
05/2002-05/2004. \$139,624

*Survey of pharmacodynamic measures and IL-10 in lupus nephritis* DNAX Research, Inc.

Co-I (Principal Investigator: W. Joseph McCune, MD)  
08/2003-07/2004. \$91,000

*Michigan Study and Surveillance of Lupus Planning Grant Centers for Disease Control and Prevention*  
Co-I with Effort (Principal Investigator: W. Joseph McCune, MD)  
10/2002-06/2003. \$42,933

*AIDB01: A multi-center study in subjects with systemic lupus erythematosus and rheumatoid arthritis to determine B lymphocyte stimulator (BLyS) concentrations in relation to disease activity* Human Genome Sciences  
Co-I (Principal Investigator: W. Joseph McCune, MD)  
10/2001-04/2003. \$91,000

*Selecting / acquiring representative historical controls for a lupus study* Centers for Disease Control and Prevention-15-PAF01386  
Other (Principal Investigator: Patty Maher)  
09/2014-03/2015. \$103,000 (\$103,000)

*UL1 TR000433: Michigan Institute for Clinical and Health Research (MICHHR) NIH/NCATS*  
Other (Principal Investigator: George Mashour)  
06/2012-05/2017. \$6,671,928

*CNS Pain Mechanisms in Early Rheumatoid Arthritis: Implications for the Acute to Chronic Pain Transition* SubK- NIH-DHHS-US through a consortium with Northwestern University- 21-PAF06362  
Co-I with Effort (Principal Investigator: Wendy E Marder)  
03/2021-08/2021. \$64,117

*SELF: Strategies to Embrace Living with Lupus Fearlessly* SubK-CDCCP-DHHS-US through a consortium with Lupus Foundation Of America- 20-PAF06668  
Somers, Emily Catherine, PI  
12/2019-12/2020. \$28,666

*Development of an interdisciplinary approach for exercise-based adjunctive therapy for scoliosis* NIH (NCATS)  
Prime / MICHHR  
Somers EC, PI  
09/2019-12/2021

## Honors and Awards

### International

2014 Selected as Plenary Speaker for North American Lupus 2014 Conference, Quebec City, Quebec, Canada

### National

2004 Doctoral Dissertation Award, Arthritis Foundation  
2010 New Investigator Award, Arthritis Foundation  
2012 Mentor of the Month (October), Association for Clinical Research Training (ACRT)  
2013 Mid-Career Women Faculty Professional Development Seminar, Association of American Medical Colleges (AAMC), Austin, TX  
2014 Evelyn V. Hess Award Nominee, Lupus Foundation of America  
2021 Distinguished Scholar Award, American College of Rheumatology/Association of Rheumatology Professionals

### Regional

2014 BCBSM Foundation McDevitt Excellence in Research Award  
2021 National Public Health Week - Hometown Health Heroes, Nominee

### Institutional

1996 Class Honors, University of Michigan, College of Literature, Science & Arts  
1996 James B. Angell Scholar, University of Michigan, College of Literature, Science & Arts

1997	Abraham H. Grant Scholastic Award (Arthritis Research) Honorable Mention, University of Michigan Medical School
1998	Master's Tuition Scholarship, Johns Hopkins School of Public Health, Department of Epidemiology
2002	United Kingdom Overseas Research Student Award
2009	Elizabeth Caroline Crosby Research Award, University of Michigan
2011	League of Research Excellence (Inaugural Year Inductee), University of Michigan Medical School
2012	Making a Difference Award, University of Michigan Health System
2012	Travel Award to NIEHS Workshop, Michigan Institute for Clinical & Health Research (MICHHR), University of Michigan
2014	Making a Difference Award, University of Michigan Health System

## Memberships in Professional Societies

2000-present	Member, American College of Rheumatology/Association of Rheumatology Professionals (ACR/ARP)
2003-present	Member, John Snow Society
2003-present	Member, Society for Epidemiologic Research (SER)
2003	Member, American College of Epidemiology (ACE)
2004-present	Member, International Society for Pharmacoepidemiology (ISPE)
2008-present	Member, International Epidemiological Association (IEA)
2011-present	Member, International Society for Environmental Epidemiology (ISEE)
2019	Member, International Network for the Science of Team Science (INSciTS)

## Editorial Positions, Boards, and Peer-Review Service

### Study Sections

#### International

2015-2016	Medical Research Council (MRC), UK (Ad Hoc)
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#### National

2001-2002	Arthritis Foundation, Biotechnology Study Section (Ad Hoc)
2003-2005	Association of Rheumatology Health Professionals, Epidemiology Study Section – Abstract selection committee member for annual scientific meeting (Ad Hoc)
2003	American College of Rheumatology – Health Professional Investigator Award Review Subcommittee (Ad Hoc)
2004	American Institute of Biological Sciences – grant reviewer
2006-present	American College of Rheumatology Research and Education Foundation Study Section A (Ad Hoc)
2007-present	Association of Rheumatology Health Professionals, Epidemiology & Public Health Study Section – Abstract selection committee member for annual scientific meeting (Ad Hoc)
2009	American College of Rheumatology Research and Education Foundation – grant reviewer (Ad Hoc)
2010-2011	Association of Rheumatology Health Professionals, Epidemiology Study Section – Chair of Epidemiology Study Section
2012-2014	American College of Rheumatology – Abstract Oversight Committee
2015-present	American College of Rheumatology, Epidemiology & Public Health Abstract Review Committee (Ad Hoc)
2016-2018	NIH Study Section - Infectious, Reproductive, Asthma and Pulmonary Conditions and Social Sciences and Population Studies
2019-2023	US Food & Drug Administration, Immunology Devices Panel (Ad Hoc)



## **Institutional**

2009	Rheumatic Diseases Core Center (RDCC), University of Michigan – grant reviewer (Ad Hoc)
2017	UMHS-PUHSC Joint Institute (Ad Hoc)
2018-present	MICHR, Study Sections for Accelerating Synergy, Catalyst, and other award mechanisms

## **Editorial Boards**

2012-2015	Editorial Board Member, Arthritis Care & Research
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## **Journal Reviewer**

2004-present	Arthritis Care & Research (Ad Hoc)
2005-present	International Society for Pharmacoepidemiology – abstract reviewer (Ad Hoc)
2007-2008	Clinical Endocrinology (Ad Hoc)
2007-2008	European Journal of Neurology (Ad Hoc)
2007-2008	Scandinavian Journal of Rheumatology (Ad Hoc)
2008	Journal of Women's Health (Ad Hoc)
2009-present	Environmental Health Perspectives (Ad Hoc)
2010-present	Arthritis & Rheumatology (Ad Hoc)
2012-present	Lupus (Ad Hoc)
2015-present	American Journal of Public Health (Ad Hoc)
present	Lancet (Ad Hoc)

## **Teaching**

### **Faculty Member**

2010-2015	Wendy Marder, MD MS, University of Michigan; *BIRCWH awardee
2012-2015	Petros Papagerakis, DDS MS PhD, University of Michigan
2017-present	Emily Littlejohn, DO MPH, Cleveland Clinic; *2019 LFA Career Development Awardee
2018-2019	Jiha Lee, MD, University of Michigan
2018-2021	Beth Wallace, MD, University of Michigan; *2019 MICHR KL2 Grantee
2018-present	Deeba Minhas, MD, University of Michigan
2019-present	Yu (Ray) Zuo, MD, University of Michigan; *2019 RRF Career Development Awardee
2020-present	Jonathan Golob, MD PhD, University of Michigan

### **Graduate Student**

2008-2011	Steven Nelson, M.S., University of Michigan
2009-2011	Riley Turchetti, M.S., University of Michigan
2010-2011	Rufaidah Dabbagh, MBBS, MPH, University of Michigan, Epidemiology
2010-2011	Katie O'Connor, MPH, University of Michigan, Epidemiology
2010-2011	Mikiko Senga, MPH, PhD, University of Michigan, Epidemiology
2010-2011	Sarah Barnhart, MPH, University of Michigan
2010-2011	Martha Ganser, M.S., University of Michigan
2011-2012	Di Yang, MPH, University of Michigan, Biostatistics
2011-2012	TingTing Lu, MPH, University of Michigan, Biostatistics
2014-2015	Xu Zhang, MS, PhD candidate, Bowling Green State University
2015-2016	Chinmay Pandit, BS, University of Michigan
2015-2017	Christina Mrukowicz, MPH, University of Michigan
2016-2017	Prae Charoenwoodhipong, BS, MS, University of Michigan
2016-2017	Xin Wang, PhD candidate, University of Michigan

2016-2017	Wenqian Li, MS, University of Michigan
2018-2020	Kevin Liu, MS, University of Michigan; *IHPI summer fellow
2019-2021	Kelly Speth, MS MA, PhD, University of Michigan
2019-present	Kristen Gilley, MPH; PhD Student, University of Michigan (MS); University of North Carolina (UNC)
2020-2021	Nina Zhou, MS, PhD candidate, University of Michigan
2020-2021	Kaitlyn Akel, MPH, University of Michigan
2020-present	Chris Shin Barousse, MS (2022); PhD student, University of Michigan
2020-present	Weixin Kuang, MPH Candidate, University of Michigan
2021-present	Lingxuan Kong, MS, University of Michigan

### **Medical Student**

2014-2015	Sarah Ewing, BS, University of Michigan
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### **Postdoctoral Fellow**

2000	Richard Fatica, M.S., University of Michigan
2000	Mona Riskalla LaPlant, M.S., University of Michigan
2001	Sosa Kocheril, M.S., University of Michigan
2002	Wendy Marder, M.S., University of Michigan
2004	Nina Tahiliani, M.S., University of Michigan
2006	Sheeja Francis, M.S., University of Michigan
2007	Monika Starosta, M.S., University of Michigan
2007	Elizabeth Bodkin, M.S., University of Michigan
2010	Reem Jan, MD, University of Michigan
2010-2013	Jason Knight, M.S., University of Michigan
2010-2013	Vivian Romero, M.S., University of Michigan
2014-2017	Donna Ray, PhD, University of Michigan
2016-2017	Emily Littlejohn, MD MPH, University of Michigan

### **Resident/House Officer**

2002	Brian Stephany, M.S., University of Michigan
2003	Sheeja Francis, St. Joseph Mercy Health System
2003	Paul MacDonald, M.S., University of Michigan
2006	Jamie Jackish, M.S., University of Michigan
2007	Manish Humad, M.S., University of Michigan
2007-2009	Meredith Riebschleger, M.S., University of Michigan
2009	Reem Jan, MD, University of Michigan School of Medicine
2009	Jason Knight, MD, University of Michigan School of Medicine

### **Undergraduate Student**

2013-2015	Chinmay Pandit, BS, University of Michigan
2019-2020	Beverly Fu, BS candidate, University of Michigan

### **Teaching Activity**

#### **International**

2004	23rd European Course in Tropical Epidemiology (London)
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#### **National**

2019-2020	Lupus Virtual CME Review, American College of Rheumatology Collaborative Initiatives
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## **Regional**

- 2004 Development of the Michigan Lupus Epidemiology and Surveillance (MILES) Program. Michigan Epidemiology Conference 2004. Ann Arbor, MI.
- 2020 ISST Part 1 - Schroth Three Dimensional Scoliosis Therapy Course (38.5 CEU), Course Organizer, Canton, MI
- 2021 ISST Part 2 - Schroth Three Dimensional Scoliosis Therapy Course (38.5 CEU), Course Organizer, Canton, MI

## **Institutional**

- 1996 University of Michigan, Department of Biology – Teaching Assistant BIO 411: Biochemistry
- 2000 Development of the Michigan Lupus Cohort. University of Michigan Health System, Division of Rheumatology Grand Rounds.
- 2001 Database design and cohort studies. University of Michigan Health System, Rackham Arthritis Research Unit Seminar Series.
- 2001 University of Michigan School of Public Health, Graduate Summer Session in Epidemiology – Teaching Assistant EPID 765: Software Packages for Analysis of Complex Sample Surveys
- 2002 Cardiovascular risk in systemic lupus erythematosus. University of Michigan Health System, Rackham Arthritis Research Unit Seminar Series.
- 2003 University of Michigan School of Public Health, Graduate Summer Session in Epidemiology – Teaching Assistant EPID 762: Using SUDAAN and SAS to Analyze NHANES and Other Surveys
- 2003 University of Michigan School of Public Health, Graduate Summer Session in Epidemiology – Teaching Assistant EPID 765: Using Stata and Wesvar to Analyze NHANES and Other Surveys
- 2004 London School of Hygiene & Tropical Medicine 2407: Principles of Pharmacoepidemiology
- 2004 London School of Hygiene & Tropical Medicine 3196: Analysis and Design of Research Studies
- 2005 Epidemiology of autoimmunity and autoimmune diseases. University of Michigan School of Public Health, Department of Epidemiology Seminar Series.
- 2008 Active surveillance of chronic disease: Perspectives from the Michigan Lupus Epidemiology & Surveillance (MILES) Program. University of Michigan, Renal Epidemiology Grand Rounds.
- 2008 Epidemiologic applications in SLE and autoimmune disease research. University of Michigan, Department of Internal Medicine, Research Seminar.
- 2009 Autoimmune disease epidemiology and current research directions. University of Michigan School of Public Health, Environmental Health Sciences Dept, Research Seminar.
- 2009 Basic epidemiology and research related to autoimmune diseases. University of Michigan, School of Public Health, Chronic Disease Epidemiology guest lecture (EPID 552).
- 2009 Pathways to engage in clinical translational research – panel discussion. University of Michigan, Introductory Course for Emerging Clinical & Translational Research Scientists.
- 2010 Integration of immunological concepts in epidemiologic and birth cohort studies. University of Michigan, School of Public Health, Environmental Health Sciences Dept, Research Seminar.
- 2010 Principles of database design. University of Michigan Medical School, Scleroderma Program Seminar Series.
- 2010 Epidemiology of rheumatoid arthritis, lupus and other autoimmune diseases. University of Michigan, School of Public Health, Chronic Disease Epidemiology guest lecture (EPID 552).
- 2011 Time management and work/life balance for academic researchers. University of Michigan, Michigan Institute for Clinical and Health Research, Post-Doctoral Career Development Seminar.
- 2011 Nuts & bolts of clinical research data collection. University of Michigan Medical School, Rheumatology Core Curriculum Conference.

2012	T3-T4 Translational Research – Issues and Answers. University of Michigan Medical School, INTMED 606.
2012	Autoimmune disease: a leading women's health issue in need of better data. University of Michigan, BIRCWH/Women's Reproductive Health K12 Seminar.
2012	Clawing your way through the academic jungle. University of Michigan, MICHR Research Studio.
2012-2013	University of Michigan, MICHR – Responsible Conduct of Research (RCR4K)
2013	The Michigan Lupus Epidemiology & Surveillance (MILES) Program Longitudinal Cohort & Biobank. Center for Integrated Approaches to Complex Diseases (CIACD), Department of Epidemiology.
2013	Active chronic disease surveillance: Lessons from the Michigan Lupus Epidemiology & Surveillance (MILES) Program. University of Michigan, Kidney Epidemiology and Cost Center seminar.
2014	Surveillance and epidemiology of lupus in southeastern Michigan and beyond. University of Michigan Medical School, Department of Internal Medicine Grand Rounds
2014-2016	MICHR Health Disparities Pre-Doctoral Program
2016	Epidemiologic insights into autoimmunity, lupus, and the environment, UM SPH Environmental Research Seminar
2016-present	K Writing Workshop Instructor, MICHR/IHPI
2016-present	Mock Study Section Facilitator
2016-present	MICHR Research Development Core (RDC), Epidemiology lead
2017	Lupus Epidemiology, University of Michigan, Rheumatology Grand Rounds
2017-present	MICHR/IHPI Large Scale Proposal and Center Grant Workshop, faculty lead
2018	Database Design & Epi 101, Division of Rheumatology Research Conference
2018-2019	K Grant Bootcamp (Rheumatology)
2019	Transgender Health Research Initiative, MICHR External Advisory Board Meeting
2019	Early Career Kickstart: Instructional Track Onboarding Program, Faculty Development Office, University of Michigan Medical School
2019	Advancing Professional Excellence (APEX) Mid-Career Faculty Symposium, Faculty Development Office, University of Michigan Medical School
2019-present	Large Scale Research Accelerator Series, Interdisciplinary Research Initiatives, MICHR
2020	COVID-19 Treatment and Outcomes: Registries and Real-World Evidence, UM SPH
2020	COVID-19 Rapid Response Registry, MICHR External Advisory Board Meeting
2020	Lupus Epidemiology: Two Decades of Progress, Internal Medicine Grand Rounds, University of Michigan.
2020	Public Health Aspects of Lupus Management, Lupus Research Conference, University of Michigan.
2020	IHPI COVID-19 Data Town Hall

### **Dissertation Committees**

2017	Christina Mrukowicz, Hair treatments and risk of lupus, University of Michigan, Epidemiology, Chair
2017	Prae Charoenwoodhipong, Dietary omega fatty acids and outcomes in systemic lupus erythematosus, University of Michigan, School of Public Health, Nutritional Sciences, Co-Chair
2019	Kevin Liu, Diet quality, health disparities and outcomes in systemic lupus erythematosus, University of Michigan, School of Public Health, Nutritional Sciences, Co-Chair
2019	Kristen Gilley, Serum fatty acid levels, autoimmunity and lupus outcomes, University of Michigan, Epidemiology, Chair
2019	Yilun Sun, Novel flexible statistical methods for missing data problems and personalized health care., University of Michigan, Biostatistics, Committee Member

2021 Kelly Speth, Developing new statistical methods for challenges in evaluating dynamic treatment regimes, University of Michigan, Biostatistics, Committee Member

## **Committee and Administrative Services**

### **Committee Services**

#### **International**

2002-2003 Cochrane Collaboration – Statistical Methods Group, Member  
2007-present European League Against Rheumatism (EULAR) – Standing Committee on Epidemiology and Health Services Research, Member  
2015 Outcomes in Mothers with Rheumatic Diseases and Their Offspring Workshop, Montreal, Canada, Invited Expert  
2016-present Systemic Lupus International Collaborating Clinics (SLICC), Advisory Member

#### **National**

2003-2005 Association of Rheumatology Health Professionals – Committee on Research, Member  
2006-present American College of Rheumatology – Research Agenda Public Awareness & Advocacy Subcommittee, Member  
2009-2011 American College of Rheumatology/Association of Rheumatology Health Professionals (ACR/ARHP) – Annual Scientific Meeting Program Committee, Member  
2009-2011 American College of Rheumatology/Association of Rheumatology Health Professionals – Clinical Focus Course Task Force Oversight Committee, Member  
2010-2011 Participated in development and implementation of the clinical research curriculum for Rheumatology (six conference module), Member  
2010-present American College of Rheumatology – Professional Development Subcommittee for Eliminating Health Disparities in Lupus Initiative, Member  
2011-present American College of Rheumatology/Association of Rheumatology Health Professionals – Abstract Oversight Committee, Member  
2014-present Lupus Federal Working Group, Member  
2015 CDC/LFA National Public Health Agenda for Lupus, Scientific Expert for Blueprint Design  
2015 Lupus Foundation of America – National Lupus Activity Summit & Awards Dinner, Faculty Representative  
2016-2019 American College of Rheumatology/Association of Rheumatology Professionals – Membership & Nominations Committee, Member  
2016-present American College of Rheumatology Collaborative Initiatives (COIN), CDC Advisory Committee  
2018-2019 American College of Rheumatology, Reproductive Health Guidelines Committee  
2020-present Big Ten COVID-19 Cardiac Registry, Investigator/UM Lead Epidemiologist  
2020-present National Academies of Sciences, Engineering, and Medicine (NASEM), Committee for the Assessment of NIH Research on Autoimmune Diseases, Member  
2022-present American College of Rheumatology/Association of Rheumatology Professionals, Workforce Committee, Member  
2022-present Society for Women's Health Research, Autoimmune Network/Lupus Working Group, Member

#### **Regional**

2004 Lupus Alliance of America, Michigan Indiana Affiliate – Medical Advisory Council, Member  
2005 Michigan Arthritis Collaborative Partnership (MACP) - Data and Surveillance Subcommittee, Member  
2020-present Plymouth-Canton Community School District (5th largest MI District), COVID-19 Health & Safety Committee, Epidemiologist  
2020-present Wayne and Washtenaw Counties, MI, Epidemiology Consultant to Health Departments for COVID-19 (PreK-12 School Framework and Decision Making)

## **Institutional**

2000-present	Michigan Lupus Cohort – Oversight Committee, Member
2003-present	Michigan Connective Tissue Disease Cohort – Oversight Committee, Member
2010-present	Department of Internal Medicine, Clinical Research Training & Support Committee, Member
2010-present	Michigan Institute for Clinical and Health Research (MICHHR) Advisory Board, Member
2012-2013	Perinatal Research Platform (PReP) Committee, Member
2013-present	Michigan Institute for Clinical and Health Research (MICHHR) Mentor Council, Member
2018-2019	Medical School Research Space Strategy Committee, Member
2019	Michigan Medicine Lab Formulary Committee, Content Expert for Advising on Rheumatology Testing

## **Administrative Services**

### **Volunteer**

2017-present	STEM Night, Bird Elementary School, Plymouth, MI, Curriculum Development and Instructor
2020	Epidemiologist, Our Family Friend (Home Care), Chelsea, MI, Provide consultations related to COVID-19

### **Consulting Positions**

01/2003-12/2004	Epidemiology Consultant, GlaxoSmithKline - Worldwide Epidemiology, London, United Kingdom
03/2021-present	Epidemiology Consultant, Ally Financial, Detroit, MI

## **Visiting Professorships and Extramural Invited Presentations**

### **Visiting Professorships**

09/2010-10/2010	<i>Guest Researcher</i> , Århus University Hospital, Department of Clinical Epidemiology (Klinisk Epidemiologisk Afdeling), September 2010, Århus, Denmark
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### **Extramural Invited Presentations**

1. *Comparison of rates of secondary prevention of influenza and pneumococcal disease in pediatric vs. adult rheumatology patients on immunosuppressive medications*, American College of Rheumatology, 2001 Annual Scientific Meeting, November 2001, San Francisco, CA
2. *Epidemiologic studies of UV radiation and autoimmune disease: What do we know and what do we need to learn?*, American College of Rheumatology, 2004 Annual Scientific Meeting, October 2004, San Antonio, TX
3. *Plasminogen activator inhibitor-1 is associated with impaired endothelial function in women with SLE*, 4th International Congress on Autoimmunity, November 2004, Budapest, Hungary
4. *Co-existence of autoimmune diseases within individuals*, International Congress on Pharmacoepidemiology and Therapeutic Risk Management, August 2007, Quebec City, Canada
5. *Neurologic involvement among SLE patients in a population-based registry*, American College of Rheumatology, 2008 Annual Scientific Meeting, October 2008, San Francisco, CA
6. *The co-occurrence of RA and IDDM*, European League Against Rheumatism (EULAR), 2010 Annual European Congress of Rheumatology, June 2010, Rome, Italy
7. *Epidemiologic perspectives in autoimmune disease research*, Johns Hopkins Bloomberg School of Public Health, November 2010, Baltimore, MD
8. *Autoimmune disease epidemiology: insights and challenges*, Michigan State University, October 2012, East Lansing, MI
9. *The opportunities that lie within biobanks and registries relevant to systemic lupus erythematosus research*, SLE Medical Education Symposium, April 2013, Copenhagen, Denmark

10. *Emerging strategies for the primary and secondary prevention of rheumatoid arthritis*, Advancing a Preventive Rheumatology Agenda: Symposium. Institute for Public Health and Medicine, Northwestern University, July 2013, Chicago, IL
11. *Outcomes assessment in observational SLE research*, Lupus 2014 Conference, September 2014, Quebec City, Canada
12. *Lupus epidemiology in 2014: A tale of two cities and beyond* (Plenary Session), Lupus 2014 Conference, September 2014, Quebec City, Canada
13. *Updates in Lupus Epidemiology and Surveillance*, Montreal General Hospital, June 2015, Montreal, Canada
14. Lupus Risk & Epidemiology in 2017: Current Evidence & Future Directions, Western University/St. Joseph's Health Centre, January 2017, London, ON
15. Autoimmune Disease Epidemiology, National Autoimmunity Summit, March 2017, Washington, DC
16. Lupus Epidemiology, Columbia University College of Physicians and Surgeons, October 2017, New York, NY
17. Understanding lupus through population-based research, Rheumatology Grand Rounds, Cleveland Clinic, April 2019, Cleveland, OH
18. Epidemiology of systemic lupus erythematosus, University of Rochester, July 2019, Rochester, NY
19. Systemic lupus erythematosus: epidemiology and current research, SUNY Upstate Medical University, August 2019, Syracuse, NY
20. Autoimmune diseases: Spotlight on relapsing polychondritis, Northern Michigan University, Autoimmunity Symposium, September 2019, Marquette, MI
21. Lupus Epidemiology in Southeastern Michigan and Beyond, Ascension St. John Hospital, September 2019, Detroit, MI
22. Accelerating Large-Scale Research: Methods for Creative Brainstorming and Strategic Action Planning, Translational Science 2020, April 2020, Washington, DC
23. Large-Scale Grants Primer, Foundation for Anesthesia Education and Research (FAER), March 2021, Virtual
24. Supporting an expansive interdisciplinarity: Artists on STEMM research teams (\*selected as one of top 3 Splash Talks), SciTS 2021, June 2021, Virtual
25. Scoliosis treatment gamified, University of Puerto Rico, February 2022, Mayaguez, PR
26. Autoimmune Diseases (DEI Series), Arcadis, March 2022, Detroit, MI

### Other

1. SARS-CoV-2 and COVID-19: Metrics, framework and risk mitigation strategies to guide school decisions (ad hoc presentations for Board of Education, Administration and Community), Plymouth-Canton Community School District, June 2020, Plymouth, MI
2. COVID-19 in 2021: Detection + Prevention + Vaccination, Rotary Club of Plymouth, January 2021, Plymouth, MI
3. COVID-19 and Vaccines, Schoolcraft College Foundation, February 2021, Livonia, MI

### **Bibliography**

#### **Peer-Reviewed Journals and Publications**

1. Korszun A, **Papadopoulos E**, Demitrack M, Engleberg C, Crofford L: The relationship between temporomandibular disorders and stress-associated syndromes. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 86(4): 416-420, 1998. PM9798224/PMID 9798224
2. Korszun A, Sackett-Lundeen L, **Papadopoulos E**, Brucksch C, Masterson L, Engelberg NC, Haus E, Demitrack MA, Crofford L: Melatonin levels in women with fibromyalgia and chronic fatigue syndrome. *The Journal of Rheumatology* 26(12): 2675-80, 1999. PM10606381
3. Kaplan MJ, Lewis EE, Shelden EA, **Somers EC**, Pavlic R, McCune WJ, Richardson BC: The apoptotic ligands TRAIL, TWEAK, and Fas ligand mediate monocyte death induced by autologous lupus T cells. *J. Immunol.* 169(10): 6020-6029, 2002. PM12421989
4. **Somers EC**, Magder LS, Petri M: Antiphospholipid antibodies and incidence of venous thrombosis in a cohort of patients with systemic lupus erythematosus. *J Rheumatol* 29(12): 2531-6, 2002. PM12465147

5. Riskalla MM, **Somers EC**, Fatica RA, McCune WJ: Tolerability of mycophenolate mofetil in patients with systemic lupus erythematosus. *J. Rheumatol.* 30(7): 1508-1512, 2003. PM12858449
6. Rajagopalan S, Pfenninger D, Kehrer C, Chakrabarti A, **Somers EC**, Pavlic R, Mukherjee D, Brook R, D'Alecy LG, Kaplan MJ: Increased asymmetric dimethylarginine and endothelin 1 levels in secondary Raynaud's phenomenon: implications for vascular dysfunction and progression of disease. *Arthritis Rheum* 48(7): 1992-2000, 2003. PM12847693
7. Rajagopalan S, Pfenninger D, **Somers EC**, Kehrer C, Chakrabarti A, Mukherjee D, Brook R, Kaplan MJ: Effects of cilostazol in patients with Raynaud's syndrome. *Am. J. Cardiol.* 92(11): 1310-1315, 2003. PM14636909
8. Rajagopalan S, **Somers EC**, Brook RD, Kehrer C, Pfenninger D, Lewis E, Chakrabarti A, Richardson BC, Shelden E, McCune WJ, Kaplan MJ: Endothelial cell apoptosis in systemic lupus erythematosus: a common pathway for abnormal vascular function and thrombosis propensity. *Blood* 103(10): 3677-3683, 2004. PM14726373
9. Ognenovski VM, Marder W, **Somers EC**, Johnston CM, Farrehi JG, Selvaggi SM, McCune WJ: Increased incidence of cervical intraepithelial neoplasia in women with systemic lupus erythematosus treated with intravenous cyclophosphamide. *J. Rheumatol.* 31(9): 1763-1767, 2004. PM15338497
10. **Somers EC**, Marder W, Kaplan MJ, Brook RD, McCune WJ: Plasminogen activator inhibitor-1 is associated with impaired endothelial function in women with systemic lupus erythematosus. *Ann. N. Y. Acad. Sci.* 1051: 271-280, 2005. PM16126968
11. Kocheril SV, Appleton BE, **Somers EC**, Kazerooni EA, Flaherty KR, Martinez FJ, Gross BH, Crofford LJ: Comparison of disease progression and mortality of connective tissue disease-related interstitial lung disease and idiopathic interstitial pneumonia. (*Feature commentary in Arthritis Rheum* 2005; 53(4):488-490. PMID: 16082631) *Arthritis Rheum.* 53(4): 549-557, 2005. PM16082627
12. **Somers EC**, Marder W, Christman GM, Ognenovski V, McCune WJ: Use of a gonadotropin-releasing hormone analog for protection against premature ovarian failure during cyclophosphamide therapy in women with severe lupus (*Featured as Research Highlight in Nat Clin Pract Rheumatol* 2005; 1:68.) *Arthritis Rheum.* 52(9): 2761-2767, 2005. PM16142702
13. OC-SELENA Trial: Combined oral contraceptives in women with systemic lupus erythematosus [EC Somers – I performed data collection, oversight/monitoring and quality control through the Data Coordinating Center at Johns Hopkins]. *N Engl J Med* 353(24): 2550-2558, 2005. PM16354891
14. **Somers EC**, Thomas SL, Smeeth L, Hall AJ: Autoimmune diseases co-occurring within individuals and within families: a systematic review. *Epidemiology* 17(2): 202-17, 2006. PM16477262
15. Denny MF, Thacker S, Mehta H, **Somers EC**, Dodick T, Barrat FJ, McCune WJ, Kaplan MJ: Interferon-alpha promotes abnormal vasculogenesis in lupus: a potential pathway for premature atherosclerosis. *Blood* 110(8): 2907-2915, 2007. PM17638846/PMC2018671
16. **Somers EC**, Thomas SL, Smeeth L, Schoonen WM, Hall AJ: Incidence of systemic lupus erythematosus in the United Kingdom, 1990-1999. *Arthritis Rheum.* 57(4): 612-8, 2007. PM17471530
17. Tran CN, Davis MJ, Tesmer LA, Endres JL, Motyl CD, Smuda C, **Somers EC**, Chung KC, Urquhart AG, Lundy SK, Kovats S, Fox DA: Presentation of arthritogenic peptide to antigen-specific T cells by fibroblast-like synoviocytes. *Arthritis Rheum.* 56(5): 1497-1506, 2007. PM17469112
18. **Somers EC**, Christman GM, Fisseha S, Marder W, McCune WJ: Response to "Absence of conclusive evidence for the safety and efficacy of gonadotropin-releasing hormone analogue treatment in protecting against chemotherapy-induced gonadal injury". *Oncologist* 13(5): 613-614, 2008. PM18581656/PMC-
19. Varela DC, Quintana G, **Somers EC**, Rojas-Villarraga A, Espinosa G, Hincapie ME, McCune WJ, Cervera R, Anaya JM: Delayed lupus nephritis. *Ann. Rheum. Dis.* 67(7): 1044-1046, 2008. PM18413438 /PMC-
20. **Somers EC**, Thomas SL, Smeeth L, Hall AJ: Are individuals with an autoimmune disease at higher risk of a second autoimmune disorder? *Am. J. Epidemiol.* 169(6): 749-55, 2009. PM19224981/PMC-
21. Zhao W, Thacker SG, Hodgins JB, Zhang H, Wang JH, Park JL, Randolph A, **Somers EC**, Pennathur S, Kretzler M, Brosius FC, Kaplan MJ: The peroxisome proliferator-activated receptor gamma agonist pioglitazone improves cardiometabolic risk and renal inflammation in murine lupus. *J. Immunol.* 183(4): 2729-2740, 2009. PM19620300/PMC2765333
22. Lim SS, Drenkard C, McCune WJ, Helmick CG, Gordon C, Deguire P, Bayakly R, **Somers EC**: Population-based lupus registries: advancing our epidemiologic understanding. *Arthritis Rheum.* 61(10): 1462-1466, 2009. PM19790117/PMC-



23. Cooper GS, Bynum ML, **Somers EC**: Recent insights in the epidemiology of autoimmune diseases: improved prevalence estimates and understanding of clustering of diseases. *J. Autoimmun.* 33(3-4): 197-207, 2009. PM19819109/PMC2783422
24. Ike RW, **Somers EC**, Arnold EL, Arnold WJ: Ultrasound of the knee during voluntary quadriceps contraction: a technique for detecting otherwise occult effusions. *Arthritis Care Res (Hoboken)* 62(5): 725-729, 2010. PM20461790/PMC-
25. Marder W, **Somers EC**, Kaplan MJ, Anderson MR, Lewis EE, McCune WJ: Effects of Prasterone (dehydroepiandrosterone) on markers of cardiovascular risk and bone turnover in premenopausal women with systemic lupus erythematosus: a pilot study. *Lupus* 19(10): 1229-1236, 2010. PM20530522/PMC-
26. Schoonen WM, Thomas SL, **Somers EC**, Smeeth L, Kim J, Evans S, Hall AJ: Do selected drugs increase the risk of lupus? A matched case-control study. *Br J Clin Pharmacol* 70(4): 588-596, 2010. PM20840450/PMC2950993
27. Wallis SK, Cooney LA, Endres JL, Lee MJ, Ryu J, **Somers EC**, Fox DA: A polymorphism in the interleukin-4 receptor affects the ability of interleukin-4 to regulate Th17 cells: a possible immunoregulatory mechanism for genetic control of the severity of rheumatoid arthritis. *Arthritis Res. Ther.* 13(1): R15, 2011. PM21294892
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37. **Somers EC**, Antonsen S, Pedersen L, Sørensen HT: Parental history of lupus and rheumatoid arthritis and risk in offspring in a nationwide cohort study: does sex matter? *Ann. Rheum. Dis.* 72(4): 528-529, 2013. PM22586159
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49. **Somers EC**, Ganser MA, Warren JS, Basu N, Wang L, Zick SM, Park SK: Mercury exposure and antinuclear antibodies among females of reproductive age in the United States: NHANES (Featured as NIEHS Extramural Paper of the Month, April 2015: <http://www.niehs.nih.gov/news/newsletter/2015/4/index.htm>) *Environmental Health Perspectives* 123(8): 792-798, 2015. PM25665152/PMID25665152 /PMC4529012
50. Berman D, Clinton C, Limb R, **Somers EC**, Romero V, Mozurkewich E: Prenatal omega-3 supplementation and eczema risk among offspring at age 36 months. *Insights in Allergy, Asthma and Bronchitis* 2(1:8): 1-5, 2016. PMID28649675/PMC5479638
51. Marder W, Knight JS, Kaplan MJ, **Somers EC**, Zhang X, O'Dell AA, Padmanabhan V, Lieberman RW: Placental histology and neutrophil extracellular traps in lupus and preeclampsia pregnancies *Lupus Sci Med* 3(1): e000134, 2016. PM27158525/PMC4854113
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### Original contribution

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