

# **CURRICULUM VITAE**

**Christopher Hanyoung Lieu, M.D.**  
**January 2022**

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**PERSONAL DATA****Christopher Hanyoung Lieu, M.D.**

Associate Professor of Medicine  
University of Colorado Anschutz Medical Campus  
School of Medicine  
Department of Medicine  
Division of Medical Oncology  
Colorectal Medical Oncology and Clinical Research Programs  
Mail Stop 8117, 12801 E. 17<sup>th</sup> Avenue, Room 8126  
Aurora, CO 80045

Citizenship: USA

**EDUCATION AND TRAINING**

1996-2000	Bachelor of Science Biology University of North Carolina – Chapel Hill Chapel Hill, NC
2000-2004	Doctor of Medicine Wake Forest University School of Medicine Winston-Salem, NC
2004-2005	Internship, Internal Medicine University of Colorado Anschutz Medical Campus Suzanne Brandenburg, M.D., Program Director Aurora, CO
2005-2008	Residency, Internal Medicine University of Colorado Anschutz Medical Campus Suzanne Brandenburg, M.D., Program Director Aurora, CO
2008-2011	Fellowship, Medical Oncology University of Texas MD Anderson Cancer Center Robert Wolff, M.D., Program Director Houston, TX

**ACADEMIC APPOINTMENTS AND LEADERSHIP POSITIONS**

2007-2008	Chief Medical Resident, Department of Internal Medicine University of Colorado Anschutz Medical Campus
2009-2010	Chief Fellow, Division of Cancer Medicine University of Texas MD Anderson Cancer Center
2011-2018	Assistant Professor, Division of Medical Oncology University of Colorado Anschutz Medical Campus

- 2014-Present Director, Colorectal Medical Oncology, Division of Medical Oncology  
University of Colorado Anschutz Medical Campus
- 2014-2016 Deputy Director, Cancer Clinical Trials Office  
University of Colorado Anschutz Medical Campus
- 2016-2019 Chair, Investigator-Initiated Trials Committee  
University of Colorado Cancer Center
- 2016-2019 Deputy Associate Director for Clinical Research  
University of Colorado Cancer Center
- 2017-Present Colon Cancer Task Force, National Cancer Institute (NCI)  
Role: Vice-Chair
- 2017-Present Director, Gastrointestinal Medical Oncology  
University of Colorado Cancer Center
- 2018-Present Associate Professor, Division of Medical Oncology  
University of Colorado Anschutz Medical Campus
- 2019-Present NCCN Board of Directors
- 2019-Present Associate Director for Clinical Research  
University of Colorado Cancer Center
- 2020-Present Member, Oncologic Drugs Advisory Committee (ODAC), Food and Drug Administration (FDA)

**HOSPITAL, GOVERNMENT, OR OTHER PROFESSIONAL POSITIONS**

- 2011-Present Staff Physician, University of Colorado Hospital, Aurora, CO

**CLINICAL ACTIVITIES**

- 2011-Present Medical Oncology attending (2 days per week) providing care in the outpatient Phase I and GI Medical Oncology Cancer clinics at the University of Colorado Hospital (UCH). I care for patients with gastrointestinal cancers receiving standard of care therapy or being treated in research trials. I supervise medical students, interns, residents, medical oncology and gynecologic oncology fellows in these clinics.

**HONORS, SPECIAL RECOGNITIONS AND AWARDS**

- 2006 Excellence in Humanism and Teaching Award  
Recipient, Arnold P. Gold Foundation
- 2009 Ruth L. Kirschstein National Research Service Award  
Recipient, National Institutes of Health (NIH)
- 2010 Young Investigators Award  
Recipient, American Society of Clinical Oncology (ASCO)
- 2011 Merit Award  
Recipient, Conquer Cancer Foundation

- 2012 Paul Calabresi Career Development Award for Clinical Oncology (K12)  
Recipient, National Institutes of Health (NIH)
- 2012 ASCO/AACR Methods in Clinical Cancer Research  
Delegate, ASCO/AACR Educational Workshop
- 2012 Young Investigator Award  
Recipient, SWOG
- 2013 Conquer Cancer Foundation Career Development Award  
Recipient, American Society of Clinical Oncology (ASCO)
- 2015 Department of Internal Medicine Rising Stars Award  
Recipient, University of Colorado Anschutz Medical Campus
- 2017 ASCO Leadership Development Program
- 2017 NCI Cancer Clinical Investigator Team Leadership Award (CCITLA)
- 2019 ASCO Advocacy Champion

#### MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- 2006-Present Member, Arnold P. Gold Foundation
- 2008-Present Member, American Association for Cancer Research (AACR)
- 2008-Present Member, American Society of Clinical Oncology (ASCO)
- 2012-Present Member, Rocky Mountain Oncology Society (RMOS)
- 2012-Present Member, SWOG

#### MAJOR COMMITTEES AND SERVICE RESPONSIBILITIES

##### National Committees/Service

- 2013-Present Neuroendocrine Cancers  
National Comprehensive Cancer Network (NCCN)  
Role: Panel Member
- 2013-2017 Colon Cancer Task Force  
National Cancer Institute (NCI)  
Role: Member, Drug Development Expert
- 2013-Present ARCAD Foundation  
Role: Board Member
- 2014-2017 Guideline for Molecular Markers for Colorectal Cancer  
ASCP – CAP – AMP – ASCO Working Group  
Role: Expert Panel
- 2015-Present Gastrointestinal Translational Medicine Subcommittee  
Southwest Oncology Group (SWOG)  
Role: Vice-Chair

- 2015-Present     Fight Colorectal Cancer Immuno-oncology Working Group  
Role: Member
- 2017-Present     Colon Cancer Task Force  
National Cancer Institute (NCI)  
Role: Vice-Chair
- 2017-Present     American Society of Clinical Oncology Gastrointestinal Cancers Guideline Advisory Group  
American Society of Clinical Oncology (ASCO)  
Role: Member
- 2018-Present     National Institutes of Health (NIH) National Center for Advancing Translational Sciences (NCATS)  
UG3/UH3 Review Committee  
Role: Reviewer
- 2018-Present     American Society of Clinical Oncology Stage II-III Colon Cancer Guideline Group  
American Society of Clinical Oncology (ASCO)  
Role: Co-Chair
- 2018-2020        National Cancer Institute (NCI) Moonshot MP2PRT Review Committee  
Role: Reviewer
- 2019-Present     National Institutes of Health (NIH) Biostatistical Methods and Research Design Study Section  
Role: Reviewer
- 2019-Present     American Society of Clinical Oncology (ASCO) University Editorial Board  
Role: Editorial Board Member
- 2019-Present     NCCN Board of Directors
- 2020-Present     Member, Oncologic Drugs Advisory Committee (ODAC)  
Food and Drug Administration (FDA)
- 2021- Present    National Cancer Institute Correlative Sciences Committee (NCTN-CCSC)  
Role: Reviewer

**Local Committees/Service**

- 2011-2016        Protocol Review and Monitoring Committee  
University of Colorado Cancer Center, Aurora, CO  
Role: Member
- 2011-Present     Internal Medicine Residency Interview Committee  
University of Colorado Anschutz Medical Campus, Aurora, CO  
Role: Member
- 2011-Present     Hematology/Oncology Fellowship Interview Committee  
University of Colorado Anschutz Medical Campus, Aurora, CO  
Role: Member

- 2012-2015 Chris4Life Colon Cancer Foundation  
Role: Scientific Advisory Board Member
- 2012-Present Morbidity and Mortality Task Force Committee  
University of Colorado Anschutz Medical Campus, Aurora, CO  
Role: Member
- 2016-Present School of Medicine Admissions Committee  
University of Colorado Anschutz Medical Campus, Aurora, CO  
Role: Member
- 2016-Present Colon Cancer Alliance  
Role: Scientific Advisory Board Member
- 2018-Present Golfers Against Cancer and Wings of Hope Grant Application Review Committee  
Role: Reviewer

### **Community Presentations and Service**

- 2012 “Advances in the treatment of colorectal cancer”  
Colorado Cancer Center Patient and Roundtable Discussion  
University of Colorado Anschutz Medical Campus, Aurora, CO  
Role: Faculty and Speaker
- 2013-Present Presentation to high school students - “Developmental Therapeutics and Clinical Trials Presentation”  
Prairie View High School, Brighton, CO  
Role: Faculty and Speaker
- 2014-2015 Scope it Out 5K for Colorectal Cancer  
Denver, CO  
Role: Co-Chair
- 2015-Present Presentation to high school students - “Cancer History and Clinical Trials Lecture”  
Prairie View High School, Brighton, CO  
Role: Faculty and Speaker
- 2016-Present Colon Cancer Alliance Undy 5000  
Denver, CO  
Role: Member, Planning Committee
- 2018-Present Colorectal Cancer Alliance Blue Hope Bash  
Denver, CO  
Role: Sponsor, Planning Committee

### **Media and Public Awareness**

- 2011 [Checking in with Past YIA Recipient Christopher Lieu, MD](#) – Interview, ASCO Connection
- 2012 DoctorLine9 - KUSA, Denver, CO
- 2012 GI Cancers and Health Concerns - TV News Interview aired on KUSA, Denver, CO
- 2012 [Study Conducted at University of Colorado Cancer Center Finds Sigmoidoscopy Reduces Colorectal Cancer Rates](#) – Colorado Cancer Blogs, University of Colorado Cancer Center

- 2013 [Fifth annual Undy 5000 raises approximately \\$120,000](#) - Colorado Cancer Blogs, University of Colorado Cancer Center
- 2013 [CU Cancer Center Study: Young patients with metastatic colorectal cancer at higher risk](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2013 [Researchers Detail Possible Resistance Mechanisms of Colorectal Cancer to Bevacizumabm \(Avastin\)](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2013 [What long term outcome should early stage colon cancer patients expect?](#) – Interview, ColonCancerAnswers.com
- 2013 [Daily Habits After Chemotherapy for Colorectal Cancer](#) - Interview, ColonCancerAnswers.com
- 2013 [How to Prevent Colon Cancer](#) – Interview, ColonCancerAnswers.com
- 2013 [Lowering the Risk of Recurrence after Chemotherapy](#) – Interview, ColonCancerAnswers.com
- 2013 [Does Chemotherapy Lower the Risk of Recurrence of Colorectal Cancer](#) – Interview, ColonCancerAnswers.com
- 2013 [How Will My Life Change After Chemotherapy for Colorectal Cancer](#) – Interview, ColonCancerAnswers.com
- 2013 [What is the Chris4Life Foundation](#) – Interview, ColonCancerAnswers.com
- 2013 [Advice for newly Diagnosed Colon Cancer Patients](#) – Interview, ColonCancerAnswers.com
- 2013 [Wings of Hope for Pancreatic Cancer Research](#) – Fundraising Benefit
- 2014 [CU Cancer Center reports results of Phase 1 clinical trial of Avastin with immune drug against solid tumors](#) - Colorado Cancer Blogs, University of Colorado Cancer Center
- 2014 [First Annual Scope It Out 5K Raises Colon Cancer Awareness](#) - Colorado Cancer Blogs, University of Colorado Cancer Center
- 2014 [At-Home Test Could help Detect Colon Cancer Earlier](#) – TV News Interview aired on KUSA, Denver, CO
- 2014 [Is a Treatment for Your Cancer Sitting on a Dusty Shelf](#) - Colorado Cancer Blogs, University of Colorado Cancer Center
- 2015 [DNA Test Could Help You Avoid Colonoscopy, Cancer](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2015 [Young Colon Cancer Patient Finds Hope at CU Cancer Center](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2015 [Study Shows Colorectal Cancer Genetically Different in Older and Younger Patients](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2015 [Scope it Out 5K Aims to Beat Colorectal Cancer](#) - Colorado Cancer Blogs, University of Colorado Cancer Center
- 2015 [Processed Meats and Cancer Risk](#) – TV News Interview aired on KUSA, Denver, CO
- 2015 [Soaring incidence of young-onset colorectal cancer raises questions about screening, treatment](#) – Interview, HemeOnc Today
- 2015 [TAK-733 Shows Challenge of Using a Promising Drug in the Human Body](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2015 [Precision medicine and Colorectal Cancer](#) – CRC Webinar, Fight Colorectal Cancer

- 2015 [Know Your Biomarker](#) – Presentation, Amgen, Inc.
- 2016 [What's Driving the Rising Rates of colorectal Cancer in Young Adults: A Conversation with Christopher Lieu, MD](#) – The ASCO Post
- 2016 [Current and Emerging Colorectal Cancer Treatment Options, With Dr. Christopher Lieu, MD](#) – The Colon Cancer Podcast
- 2016 [Novel Therapies beyond Immunotherapy for GI Malignancies](#) – Presentation, ImedexCME
- 2016 [Study Shows Different Genetic Drivers of Colorectal Cancer in Older and Younger Patients](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2016 [Obstacles of Curing Cancer](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2016 [Wnt Stem Cell Signaling Pathway Implicated in Colorectal Cancer in Patients under 50](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2016 [As Colorectal Cancer Rate Falls, Diagnosis of Late-Stage Cancer in Young Patients is Up](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2016 [Biomarkers for Treatment Selection in Colon Cancer](#) – Podcast, Imedex E-Learning
- 2016 [All Hands on Deck](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2017 [In Metastatic Colorectal Cancer, Two Targeted Treatments Better Than One](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2017 [Young Colon Cancer Patient Can Dream About the Future](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2017 [More Colorado millennials have colorectal cancer, new study shows](#) – TV News Interview aired on KDTV, Denver, CO
- 2017 [CCF Career Development Award Recipient Dr. Christopher Lieu Takes on RAS-Mutant Colorectal Cancer](#) – Gastrointestinal Cancers Symposium Daily News
- 2017 [Dr. Lieu to lead committee for investigator-initiated clinical trials](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2017 [Advocates Reveal Cancer Survivorship Challenges and Resources during National Comprehensive Cancer Network's Patient Advocacy Summit](#) – National Comprehensive Cancer Network
- 2018 [CU Cancer clinical trial takes on treatment resistant breast cancer](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2018 [University of Colorado Cancer Center – Ask us anything about colorectal cancer](#) – Facebook Live
- 2018 [Buddy Check9: Cancer research and clinical trials](#) – TV News Interview aired on KUSA, Denver, CO
- 2018 [New study looks at effectiveness of combination therapy against refractory, metastatic colon cancer](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2019 [Leaders meet in Colorado to set research agenda for early-onset colorectal cancer](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2019 [ASCO Guideline Recommends Shorter-Course Adjuvant Chemotherapy for Some Patients With Stage III Colon Cancer](#) – ASCO Post
- 2020 [Less chemotherapy may have more benefit in rectal cancer](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2020 [Technology, Teamwork and Trials Add Up to Top Care](#) – CU Anschutz Today, University of Colorado Denver



- 2020 [Invited Expert Interview: Gastrointestinal Cancer Insights](#) – ASCO Direct Focus
- 2020 [Rectal cancer treatment without surgery](#) – UCHealth Today
- 2020 [Cancer Research in the Time of COVID-19](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2020 [CU doctors hope longtime message of upward trend in colorectal cancer cases gets heard](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2021 [Estimated 2,100 New Cases of Colon Cancer Each Year Among Coloradans](#) – CBS Denver
- 2021 [Fighting Disparities in Early-Onset Colorectal Cancer](#) – Colorado Cancer Blogs, University of Colorado Cancer Center
- 2021 [FDA's ODAC Votes to Defer Approval of Retifanlimab for Patients With Locally Advanced or Metastatic SCAC](#) – Targeted Oncology
- 2021 [Molecular tumor testing transformative, yet 'under-optimized'](#) – HemOnc Today

#### LICENSURE AND BOARD CERTIFICATIONS

- 2007-2017 Diplomat, Internal Medicine, American Board of Internal Medicine
- 2007-Present Colorado State Medical License
- 2007-Present United States DEA
- 2008-Present Texas State Medical License
- 2011-2021 Diplomat, Medical Oncology, American Board of Internal Medicine

#### EDITORIAL REVIEW AND REFEREE WORK

##### Editorial Board

- 2016-Present *Oncology Research*
- 2018-Present *Journal of the National Cancer Institute (JNCI)*
- 2020-Present *Cancer Treatment and Research Communications*

##### Ad Hoc Reviewer

- 2012-Present *Cancer Treatment Reviews*
- 2012-Present *Investigational New Drugs*
- 2012-Present *Cancer Chemotherapy and Pharmacology*
- 2012-Present *Cancer Discovery*
- 2013-Present *Clinical Cancer Research*
- 2013-Present Clinical Trial Proposals – NCI Colon Task Force
- 2013-Present Medical Research Council (MRC), United Kingdom
- 2013-Present American Society of Clinical Oncology (ASCO)
- 2014-Present *American Journal of Hematology/Oncology*
- 2014-Present *Expert Opinion on Drug Discovery*
- 2014-Present *Colorectal Cancer*
- 2015-Present *Clinical Colorectal Cancer*

2015-Present	<i>Journal of the National Cancer Institute (JNCI)</i>
2015-Present	<i>Molecular Cancer Therapeutics</i>
2016-Present	<i>Journal of the National Comprehensive Cancer Network</i>
2016-Present	<i>Oncotarget</i>
2019-Present	<i>New England Journal of Medicine</i>
2020-Present	ASTRO Rectal Cancer Guidelines

**INVITED EXTRAMURAL LECTURES, PRESENTATIONS, AND VISITING PROFESSORSHIPS****Invited Lectures: National and International Meetings**

1. Impact of anti-VEGF therapy on cytokines and angiogenic factors in metastatic colorectal cancer. Division of Pediatrics Grand Rounds, University of Texas MD Anderson Cancer Center, Houston, TX, 2010
2. The association of alternate VEGF ligands with resistance to anti-VEGF therapy in metastatic colorectal cancer. Division of Cancer Medicine Grand Rounds, University of Texas MD Anderson Cancer Center, Houston, TX, 2011
3. Medical oncology overview of hepatobiliary carcinoma. Southwest Oncology Group (SWOG) Fall Conference. San Antonio, TX, 2011
4. KRAS Mutant Tumor Types: Strategies to Overcome Challenges in Treatment, CancerNet: Current Strategies in the Treatment of Colorectal Cancer and Non-colorectal Gastrointestinal Cancers. Los Angeles, CA, 2012
5. Metastatic Colorectal Cancer Case Debates: Practical Solutions to Provide Optimal Management. Lawrence Memorial Hospital Oncology Center, Lawrence, KS, 2012
6. Targeting the WNT Pathway for Colorectal Cancer Therapy. NCI Colon Task Force, Chicago, IL, 2014
7. PRIME Rounds in Metastatic Colorectal Cancer. Webcast, 2014
8. Evidence Guiding the Clinical Pathways to Surveillance, Diagnosis, and Treatment of Hepatocellular Carcinoma, Alaska VA Healthcare System. Anchorage, AK, 2015
9. Clinical Trial Database Virtual Round Table Webinar. Chris4Life Colon Cancer Foundation with Smart Patients, Inc., 2015
10. Never Too Young for Colon Cancer; My Story: Colon Cancer Before 50. Colon Cancer Alliance, Washington DC, 2015
11. Know Your Biomarker Webinar, Collaborative Project with Colon Cancer Alliance. Chris4Life Colon Cancer Foundation and Fight Colorectal Cancer, Washington DC, 2015
12. A phase IB study of the combination of AZD6244 hydrogen sulfate (selumetinib) and cyclosporin A (CsA) in patients with advanced solid tumors with an expansion cohort in metastatic colorectal cancer. Conquer Cancer Foundation Scientific and Career Development Retreat, Alexandria, VA, 2015
13. Treatment of Colorectal Cancer in Young Adults. Never Too Young Coalition Webinar, Colon Cancer Alliance, Washington DC, 2016
14. Biomarkers for Colorectal Cancer, Great Debates in GI Malignancies. New York City, NY, 2016
15. Update of Targeted Therapies Beyond Immunotherapy, Great Debates in GI Malignancies, New York City, NY, 2016
16. Latest in CRC; Findings from the 2016 ASCO Annual Meeting. Colon Cancer Alliance Webinar, Washington DC, 2016
17. A phase IB study of the combination of AZD6244 hydrogen sulfate (selumetinib) and cyclosporin A (CsA) in patients with advanced solid tumors with an expansion cohort in metastatic colorectal cancer. NCI-CTEP Early Drug Development Meeting, Bethesda, MD, 2016
18. Live Your Best Life with Metastatic Colorectal Cancer. Colon Cancer Alliance Symposium, Mesa, AZ, 2016

19. Emerging Treatment Opportunities in Neuroendocrine Tumors. National Association of Managed Care Physicians, Las Vegas, NV, 2016
20. Back to the Future: Irinotecan-based combination studies. 2017 ASCO Annual Meeting, Chicago, IL, 2017
21. Biomarkers for Colorectal Cancer, What you need to know, FightCRC Webinar, 2017
22. Emerging Targets in the Treatment of Metastatic Colorectal Cancer, University of Texas MD Anderson Cancer Center, Houston, TX, 2017
23. Fight Colorectal Cancer Collaboration with University of Colorado Cancer Center, National Comprehensive Cancer Network Patient Advocacy Summit, Washington, DC 2017
24. Biomarkers and emerging therapies in the treatment of metastatic colorectal cancer, University of Texas MD Anderson Cancer Center GI Cancer Center Support Grant Series, Houston, TX, 2018
25. mCRC what do I need to know, University of Texas MD Anderson and Colorectal Cancer Alliance National Meeting, Houston, TX 2018
26. The right and left of incorporating targeted therapy into the management of colorectal cancer, 2019 ASCO Annual Meeting, Chicago, IL 2019
27. ctDNA and colorectal cancer: ready for primetime? 17th Annual West Coast Colorectal Cancer Symposium, Seattle, WA, 2019
28. Adjuvant Therapy: when did it get so complex? 2020 ASCO Annual Meeting, Chicago, IL 2020
29. A Specialty Series Review of Targeted Tyrosine Kinase Inhibitors Used for the Management of Advanced Hepatocellular Carcinoma, Live Virtual CME Program, Med Learning Group 2020
30. Managing Risk and Fear of COVID. AllyCon 2020. Washington DC 2020
31. ctDNA Transforms Decision-Making. Ruesch Symposium for the Cure of GI Cancers. Georgetown University, Washington DC 2020
32. ctDNA is ready to direct adjuvant therapy: No. Great Debates in GI Malignancies. 2021
33. Optimal Treatment for HER2-Positive Colorectal Cancer After First-Line Treatment: Chemotherapy – Still the Standard of Care. Great Debates in GI Malignancies. 2021.
34. Application and Development of ctDNA in Early-Stage CRC. 18<sup>th</sup> Annual Meeting of the International Society of Gastrointestinal Oncology, Miami, FL 2021.
35. Translational Medicine in GI Cancers: We have the guts! SWOG Fall Meeting Plenary Session, Chicago, IL 2021.
36. Oncology Today: Colorectal Cancer, Issue 2. Research to Practice 2021.
37. Other Considerations in the Management of CRC; Promising Investigational Strategies, Research to Practice, San Francisco, CA 2022.

**Invited Lectures: Local Meetings**

1. Virtual Colonoscopy: Ready for Primetime? Department of Internal Medicine Grand Rounds, University of Colorado Anschutz Medical Campus, Aurora, CO, 2008
2. KRAS Mutant Colorectal Cancer: Strategies to Overcome Challenges in Treatment. University of Colorado Cancer Center Symposium Series, Aurora, CO, 2012
3. The Past, Present, and Future of Cancer Medicine. University of Colorado Internal Medicine Grand Rounds, University of Colorado Anschutz Medical Campus, Aurora, CO, 2013
4. The History of Chemotherapy and Drug Development, University of Colorado Developmental Therapeutics Program Education Symposia, University of Colorado Anschutz Medical Campus, Aurora, CO, 2013
5. Of Mice and Men, Advances in the Treatment of KRAS Mutant Colorectal Cancer. Metro Denver Oncology Nursing Society Research Lecture Series, Denver, CO, 2013

6. From Bench to Bedside: Translational Drug Development in Metastatic Colorectal Cancer. University of Colorado Research and Innovation Conference, Denver, CO, 2014
7. Right to Try. University of Colorado Ethics Grand Rounds, Denver, CO, 2014
8. Right to Try. University of Colorado School of Medicine Ethics Bites, Denver, CO, 2014
9. North American Neuroendocrine Tumor Society (NANETS) Regional Conference Organizing Committee Chairperson, Denver, CO, 2014
10. Advances in the Treatment of Neuroendocrine Cancers. Midwinter Neuroendocrine Conference, Parker, CO, 2015
11. Conversations About Women's Health. University of Colorado Anschutz Medical Campus, Aurora, CO, 2015
12. Precision Medicine and Immunotherapy Webinar. Fight Colorectal Cancer Research Advocacy Training Seminar, Denver, CO, 2015
13. Value-Based Cancer Care. Cancer Clinical Trials Office Education Session, Denver, CO, 2016
14. Update on Prevention and Treatment Strategies for Colorectal Cancer. Mountain States Cancer Conference, Aurora, CO, 2016
15. [Cancer 101: The Past, Present, and Future of Cancer Treatment](#). Let's Talk About Cancer Series, Aurora, CO, 2018
16. Early-Stage Rectal Cancer. South Texas Veterans Health Care System, San Antonio, TX, 2021

#### TEACHING AND MENTORSHIP RECORD

##### CLASSROOM TEACHING

2009-2010	Hematology/Oncology Fellowship Core Curriculum, Division of Cancer Medicine, University of Texas MD Anderson Cancer Center, Houston, TX
2010-2011	Hematology/Oncology Fellowship Communication Skills Workshop, University of Texas MD Anderson Cancer Center, Houston, TX
2011-Present	Division of Medical Oncology Fellowship Core Curriculum Lecture, "Hepatobiliary Cancers" University of Colorado Anschutz Medical Campus, School of Medicine, Aurora, CO
2011-Present	Division of Medical Oncology Fellowship Core Curriculum Lecture, "Oncology Emergencies", University of Colorado Anschutz Medical Campus, School of Medicine, Aurora, CO
2011-Present	Department of Medicine, Career/Elective Fair, University of Colorado Anschutz Medical Campus, School of Medicine, Aurora, CO
2013-Present	Internal Medicine Residency Research Pathway Lecture Series "Interpreting Clinical Trials", University of Colorado Anschutz Medical Campus, School of Medicine, Aurora, CO
2015-Present	Lecture, "Best of ASCO: GI Update", University of Colorado Anschutz Medical Campus, School of Medicine, Aurora, CO
2017-Present	Lecture, "Clinical Trial 101 and OnCore Introduction", University of Colorado Anschutz Medical Campus, School of Medicine, Aurora, CO
2017-Present	Division of Medical Oncology Fellowship Core Curriculum Lecture, "Early-Stage Colorectal Cancer" University of Colorado Anschutz Medical Campus, School of Medicine, Aurora, CO

##### MENTORSHIP TEACHING

###### Clinical Fellows

2012-2013	Elizabeth Kessler, M.D. – Medical Oncology fellow; currently Assistant Professor, University of Colorado Anschutz Medical Campus, Department of Medicine, Division of Medical Oncology, Aurora, CO
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- 2015-2018 Anna Capasso, M.D. – Developmental Therapeutics Laboratory Fellow, University of Colorado Anschutz Medical Campus, Department of Medicine, Division of Medical Oncology, Aurora, CO (now Assistant Professor, University of Texas Austin Livestrong Cancer Institutes)
- 2016-Present Gentry King, M.D. – Hematology/Oncology fellow; currently Assistant Professor of Medicine, University of Colorado Anschutz Medical Campus, Department of Medicine, Division of Medical Oncology, Aurora, CO
- 2016-2018 Anuradha Krishnamurthy, M.D. – Developmental Therapeutics fellow; currently Assistant Professor of Medicine, University of Pittsburgh, Pittsburgh, PA
- 2018-2020 Gurprataap Sandhu, M.D. – Hematology/Oncology fellow; currently clinical investigator, University of Pittsburgh, Pittsburgh, PA, Department of Medicine, Division of Medical Oncology, Aurora, CO
- 2020-Present Tyler Friedrich, M.D. – Hematology/Oncology fellow, University of Colorado

### **Clinical Residents**

- 2012-2014 Paul Brittain, M.D. - Internal Medicine Resident; currently Hematology/Oncology fellow, University of Colorado Anschutz Medical Campus, Department of Medicine, Division of Medical Oncology, Aurora, CO
- 2013-2016 Aaron Scott, M.D. – Internal Medicine Resident; currently Assistant Professor, University of Arizona, Tucson, AZ
- 2019-Present Meryl Colton, B.A. – Internal Medicine resident; University of Colorado Anschutz Medical Campus, Aurora, CO

### **Medical Students**

- 2015-2018 Oren Gordon, B.A. – medical student; University of Colorado Anschutz Medical Campus, Aurora, CO
- 2016-Present David Sheneman, B.S. – medical student; University of Colorado Anschutz Medical Campus, Aurora, CO
- 2016-2019 Meryl Colton, B.A. – medical student; University of Colorado Anschutz Medical Campus, Aurora, CO

### **Premedical Students**

- 2012-2013 Logan Hostetter, B.S. – premedical student; currently medical student, University of Colorado Anschutz Medical Campus, Department of Medicine, Division of Medical Oncology, Aurora, CO
- 2013 Jordan Wehe – premedical student; currently BA/BS-MD Program, University of Colorado Anschutz Medical Campus, Department of Medicine, Division of Medical Oncology, Aurora, CO

### **FUNDING: GRANT SUPPORT**

#### **FEDERAL**

#### **Active**

- Title: Utilizing MEK and VEGF Inhibition to Sensitize Microsatellite Stable Colorectal Cancer to Immune Checkpoint Therapy
- Sponsor: R01CA229259-01
- Role: Principal Investigator
- Period: 09/01/2018 – 08/31/2022
- Amount: \$590,994
- Percent Effort: 2.4 CM
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- Title: Southwest Early Clinical Trials Consortium
- Sponsor: 1UM1CA186688

Role: Co -Investigator: Christopher H. Lieu, M.D.; Principal Investigator: Wells Messersmith, M.D.  
Period: 06/01/2020 – 05/31/2025  
Amount: \$ 10,000  
Percent Effort: 0.6 CM

**Completed**

Title: Research Training in Academic Medical Oncology  
Sponsor: T32 CA009666  
Role: Fellow: Christopher H. Lieu, M.D.; Principal Investigator: Waun Ki Hong, M.D., Co-PI: Robert A. Wolff, M.D.  
Period: 07/01/2009 – 06/30/2011  
Amount: \$50,000  
Percent Effort: 12 CM

Title: The role of bFGF in the resistance to anti-VEGF therapy in metastatic colorectal cancer  
Sponsor: ASCO Cancer Foundation Young Investigators Award  
Role: Principal Investigator: Christopher H. Lieu, M.D.  
Period: 07/01/2010 – 06/30/2011  
Amount: \$50,000  
Percent Effort: 9 CM

Title: Paul Calabresi Award in Clinical Oncology Research  
Sponsor: National Institutes of Health; NIH K12 5K12 CA086913-11  
Role: Clinical Scholar; Christopher H. Lieu, M.D.; Principal Investigator: Madeline Kane, M.D., Ph.D.  
Period: 04/2012 – 06/30/2013  
Amount: \$130,000  
Percent Effort: 9 CM

Title: Discovery of novel targets for young patients with colorectal cancer  
Sponsor: Cancer League of Colorado; AWD-132771  
Role: Principal Investigator: Christopher H. Lieu, M.D.  
Period: 07/01/2013 – 06/30/2015  
Amount: \$30,000  
Percent Effort: 0 CM

Title: A patient selective randomized phase II trial comparing the novel MEK inhibitor, TAK-733, to standard of care chemotherapy in patients with advanced KRAS mutant colorectal cancer  
Sponsor: Conquer Cancer Foundation of ASCO Career Development Award; AWD-130730  
Role: Principal Investigator: Christopher H. Lieu, M.D.  
Period: 07/01/2013 – 06/30/2016  
Amount: \$66,667  
Percent Effort: 2 CM

Title: Rational targeting of the MAPK pathway in atypical RAS mutant colorectal cancer in next generation preclinical models  
Sponsor: The Hope Foundation SWOG Early Exploration and Development; SEED AWD-152129  
Role: Principal Investigator: Christopher H. Lieu, M.D.  
Period: 04/01/2015-02/28/2017  
Amount: \$60,000  
Percent Effort: 0 CM

Title: Development of novel targeted agents for metastatic colorectal cancer  
Sponsor: National Institutes of Health; NIH K23 CA190849-01A1  
Role: Principal Investigator: Christopher H. Lieu, M.D.  
Period: 07/01/2015 – 06/30/2018  
Amount: \$158,000  
Percent Effort: 9 CM

Title: NCI Cancer Clinical Investigator Team Leadership Award (CCITLA)  
Sponsor: National Cancer Institute; P30CA046934  
Role: Principal Investigator: Christopher H. Lieu, M.D.  
Period: 07/01/2018-06/30/2019  
Amount: \$60,000  
Percent Effort: 3 CM

Title: Investigating the role of MEK and non-canonical Wnt inhibition in altering the immune microenvironment in metastatic colorectal cancer  
Sponsor: Cancer League of Colorado; AWD-183090-CL  
Role: Principal Investigator: Christopher H. Lieu, M.D.  
Period: 07/01/2018 – 06/30/2021  
Amount: \$60,000  
Percent Effort: 0 CM

#### 14. BIBLIOGRAPHY

Below is a list of the articles and abstract presentations related to my clinical or clinical research activities (for a more comprehensive list please refer to CV or Investigator's Portfolio). My publication metrics (as of January 20, 2022) are:

- Google Scholar citations: 4714
- Google Scholar h-index (largest number h such that h publications have at least h citations): 28
- Google Scholar i10-index (number of publications with at least 10 citations): 50

#### List of Publications

##### Original Research: Peer-Reviewed

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6. Kessler E, Davis SL, Brittain P, Leong S, Eckhardt SG, **Lieu CH**. Targeted Therapies. In: *American Cancer Society Textbook of Cancer*. 2017.
7. Reidy-Lagunes D, **Lieu CH**, Messersmith WA, Goodman K. Unusual Tumors of the Colon, Rectum, and Anus In: Blanke CD, Brown J, Kim ES, Reaman GH, Sekeres MA, eds. *Textbook of Uncommon Cancer*: John Wiley and Sons. 2017.
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9. Patel SG, Murphy CC, **Lieu CH**, Hampel H. Early age onset colorectal cancer. In: Berger FG, Boland CR eds. *Advances in Cancer Research: Novel approaches to colorectal cancer*: Elsevier. 2021.

### Original Research: Published Abstracts

1. **Lieu CH**, Leong S, Basche M, Gore L, Leonardi K, Schultz MK, Hariharan S, Chow L, Diab S, Gibbs A, Boinpally R, Eckhardt SG, O'Bryant CL. A Dose-Ranging Study of the Toxicities, Pharmacological, and Biological Effects of the Selective Apoptotic Antineoplastic Drug (SAAND), OSI-461 in Patients With Advanced Cancer, in the Fasting and Fed State. *Clinical Cancer Research* 11:9103S.
2. Tran B, Kopetz S, Tie J, Gibbs P, Jiang Z, **Lieu C**, Agarwal A, Maru D, Sieber O, Desai J. Distinct differences in sites of metastatic disease may contribute to poorer outcomes observed in patients with BRAF mutant colorectal cancers. *J Clin Oncol* 2010;28:15s (suppl; abstr 3592).
3. **Lieu C**, Wolff RA, Eng M, Overman M, Henry L, Coulson R, Garrett C, Abbruzzese J, Gallick G, Kopetz S. Phase IB Study of the Src Inhibitor Dasatinib with FOLFOX and Cetuximab in Metastatic Colorectal Cancer. *J Clin Oncol* 2010;28:15s (suppl; abstr 3536).

4. **Lieu C**, Tran H, Fiorentino S, Jiang Z, Mao M, Overman M, Eng C, Ellis L, Heymach J, Kopetz S. Relative impact of chemotherapy with or without bevacizumab on cytokines and angiogenic factors (CAFs) in metastatic colorectal cancer. *J Clin Oncol* 29: 2011 (suppl 4; abstr 401).
5. **Lieu CH**, Tran HT, Jiang, Z, Mao M, Overman MJ, Eng C, Morris J, Ellis LM, Heymach J, Kopetz S. The association of alternate VEGF ligands with resistance to anti-VEGF therapy in metastatic colorectal cancer. *J Clin Oncol* 29:2011 (suppl; abstr 3533).
6. Shah NN, **Lieu CH**, Ivan C, Overman MJ, Shimizu M, Morris J, Tran HT, Heymach J, Calin G, Kopetz S. Prognostic effects of circulating markers of epithelial mesenchymal transition (EMT) in metastatic colorectal cancer patients. *J Clin Oncol* 30: 2012 (suppl 4; abstr 456).
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9. **Lieu CH**, Varella-Garcia M, Xu LG, Zhi-Qin J, Eckhardt SG, Messersmith WA, Maru DM, Kopetz S. Increased gene copy number and amplification of FGF2 and FGFR1 in metastatic colorectal cancer. *J Clin Oncol* 30:2013 (suppl 34; abstr 402).
10. Lee MS, **Lieu CH**, Overman MJ, Eng C, Morris J, Jiang ZQ, Morelli M, Heymach J, Tran HT, Kopetz S. Association of prior treatment with anti-EGFR monoclonal antibodies with downregulation of circulating TRAIL and upregulation of EGFR and VEGF family ligands in metastatic colorectal cancer. *J Clin Oncol* 32:2014 (suppl 3; abstr 452).
11. **Lieu CH**, Harb WA, Beeram M, Power L, Kearns JD, Nering R, Moyo VM, Wolf BB, Adjei AA. Phase I trial of MM-151, a novel oligoclonal anti-EGFR antibody combination in patients with refractory solid tumors. *J Clin Oncol* 32:5s: 2014 (suppl; abstr 2518).
12. You YN, Chang K, Chen K, Mehdizadeh A, Cuddy A, **Lieu CH**, Shaw KR, Sanchez EV, Eng C. Somatic mutations in young-onset colorectal cancer unrelated to hereditary syndromes: A comparative study using high-depth targeted exome sequencing. *J Clin Oncol* 33: 2015 (suppl 3; abstr 623).
13. Kopetz S, McDonough S, Morris VK, Lenz HJ, Magliocco AM, Atreya CE, Diaz LA, Allegra CJ, **Lieu CH**, Eckhardt SG, Semrad TJ, Kaberle K, Guthrie K, Hochster HS. S1406: Randomized phase II study of irinotecan and cetuximab with or without vemurafenib in BRAF-mutant metastatic colorectal cancer (mCRC). *J Clin Oncol* 33:2015 (suppl 3; abstr TPS790).
14. Bendell KC, Powderly JD, **Lieu CH**, Eckhardt SG, Hurwitz H, Hochster HS, Murphy JE, Funke RP, Rossi C, Wallin J, Waterkamp D, Pishvaian MJ. Safety and efficacy of MPDL3280A (anti-PDL1) in combination with bevacizumab (bev) and/or FOLFOX in patients (pts) with metastatic colorectal cancer (mCRC). *J Clin Oncol* 33:2015 (suppl 3, abstr 704).
15. **Lieu CH**, Beeram M, Harb WA, Kearns JD, Sloss CM, Nering R, Adjei AA, Wolf BB. Safety, pharmacology, and preliminary clinical activity of MM-151: An oligoclonal anti-EGFR therapeutic in patients with cetuximab-resistant CRC and other refractory solid tumors. *J Clin Oncol* 33:2015 (suppl 3; abstr 647).
16. Pitts TM, Kim J, Tan AC, You N, Eng C, Eckhardt SG, **Lieu CH**. Emerging transcriptional landscape and putative therapeutic strategies in young patients with metastatic colorectal cancer. *J Clin Oncol* 33:2015 (suppl; abstr e14627).
17. Dotan E, Starodub A, Berlin J, **Lieu CH**, Guarino MJ, Marshall J, Hecht JR, Cohen SJ, Messersmith WA, Maliakal PP, Wegener WA, Sharkey RM, Goldenberg DM. A new anti-CEA-SN-38 antibody-drug conjugate (ADC), IMMU-130, is active in controlling metastatic colorectal cancer (mCRC) in patients (pts) refractory or relapsing after irinotecan-containing chemotherapies: Initial results of a phase I/II study. *J Clin Oncol* 33:2015 (suppl; abstr 2505).

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20. **Lieu CH**, Sheneman D, Finch JL, Davis SL, Leong S, Weekes CD, Purcell WT, Goodman KA, Messersmith WA, Eckhardt SG. Incidence of colorectal cancer among young adults in the state of Colorado. *J Clin Oncol* 34, 2016 (suppl; abstr 3585).
21. **Lieu CH**, Golemis E, Kim Jihye, Serebriiskii I, Bailey M, Tan AC, Pitts TM, Eng C, Ennis R, Eckhardt SG, Frampton GM, Meyer JE. Emerging genomic landscape and therapeutic targets in young patients with colorectal cancer. *J Clin Oncol* 34, 2016 (suppl; abstr 3589).
22. Harb WA, Adjei AA, Beeram M, Pipas JM, Chen S, Valencia A, Rimkunas V, McClure T, Kearns JD, Nering R, **Lieu CH**. Final results of a first-in-human study evaluating the safety, pharmacology and initial efficacy of MM-151, an oligoclonal anti-EGFR antibody in patients with refractory solid tumors. *J Clin Oncol* 34, 2016 (supple; abstr 2518).
23. Kopetz S, McDonough SL, Morris VK, Lenz HJ, Magliocco AM, Atreya CE, Diaz LA, Allegra CJ, Wang SE, **Lieu CH**, Eckhardt SG, Semrad TJ, Kaberle K, Guthrie KA, Hochster HS. Randomized trial of irinotecan and cetuximab with or without vemurafenib in BRAF-mutant metastatic colorectal cancer (SWOG 1406). *J Clin Oncol* 35, 2017 (suppl 4S; abstract 520).
24. Capasso A, Pitts TM, Tentler JJ, Klauck PJ, Bagby SM, Nguyen A, Arcaroli J, Cattaruzza F, Meyer JE, Connelly C, Eckhardt SG, **Lieu CH**. Rational combination therapy in young vs older patients with advanced colorectal cancer (CRC). *J Clin Oncol* 35, 2017 (suppl 4S; abstract 612).
25. Krishnamurthy A, Dasari A, Lockhart AC, Stein MN, Sanoff HK, Lee JJ, Hansen AR, Bekaii-Saab TS, Malhotra U, Rippke S, Davis SL, Messersmith WA, Yao JC, Meric-Bernstam F, Eckhardt SG, **Lieu CH**. A phase IB study of the combination of selumetinib (AZD6244; ARRY-142886) and cyclosporin A (CsA) in patients with advanced solid tumors with an expansion cohort in metastatic colorectal cancer (mCRC). *J Clin Oncol* 35, 2017 (suppl 4S; abstract 609).
26. Connelly CF, Severson EA, **Lieu CH**, Meyer JE, Stephens P, Frampton GM. The age specific genomic landscape of cancer. *J Clin Oncol* 35, 2017 (suppl; abstr 1568).
27. Capasso A, Lang J, Pitts TM, Francoeur P, Davis SL, **Lieu CH**, Bagby SM, Tentler JJ, Piscopio AD, Diamond JR, Pelanda R, Eckhardt SG. HDAC and PD-1 inhibition in humanized triple-negative breast cancer xenografts. *J Clin Oncol* 35, 2017 (suppl; abstr e14604).
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29. Krishnamurthy A, Dasari A, Noonan AM, Mehnert JM, Lockhart AC, Stein, MN, Sanoff HK, Lee JJ, Hansen AR, Bekaii-Saab TS, Malhotra U, Rippke S, Davis SL, Messersmith WA, Eckhardt SG, **Lieu CH**. A phase IB study of the combination of selumetinib (AZD6244; ARRY-142886) and cyclosporin A (CsA) in patients with advanced solid tumors with an expansion cohort in metastatic colorectal cancer (mCRC). *J Clin Oncol* 35, 2017 (suppl; abstr 2587).
30. Sinicrope FA, Ou FS, Shi Qian, Nixon AB, Levasseur A, Dueck AC, Dhanarajan AR, **Lieu CH**, Cohen DJ, Innocenti F, Behrens RJ, Peters W, Sargent DJ, Sommer N, O'Reilly EM, Meyerhardt J. Randomized trial of FOLFOX alone or combined with atezolizumab as adjuvant therapy for patients with stage III colon cancer and deficient DNA mismatch repair or microsatellite instability (ATOMIC, Alliance A021502). *J Clin Oncol* 35, 2017 (suppl; abstr TPS3630).

31. Kopetz S, McDonough SL, Lenz HJ, Magliocco AM, Atreya CE, Diaz LA, Allegra CJ, Raghav KP, Morris VK, Wang SE, **Lieu CH**, Guthrie KA, Hochster HS. Randomized trial of irinotecan and cetuximab with or without vemurafenib in BRAF-mutant metastatic colorectal cancer (SWOG S1406). *J Clin Oncol* 35, 2017 (suppl; abstr 3505)
32. Iyer P, Wong K, **Lieu CH**, Henry J, Davis SL, Goodman KA, Davies K, Aisner D, Messersmith WA, Leong S. Clinical and molecular characteristics of younger versus older patients with colorectal cancer. *J Clin Oncol* 36, 2018 (suppl 4S; abstr 630).
33. Henry J, Iyer P, Garberich R, Davis SL, **Lieu CH**, Meguid CL, Edil BH, Leong S. Ampullary adenocarcinoma: A single center experience. *J Clin Oncol* 36, 2018 (suppl 4S; abstr 462).
34. Cuny CJ, Hoyle J, O'Bryant CL, Meguid CL, **Lieu CH**, Davis SL, Messersmith WA, Leong S. A retrospective review of borderline resectable-locally advanced pancreatic adenocarcinoma (BR-LAPC) undergoing neoadjuvant chemotherapy followed by stereotactic body radiation therapy (SBRT) at the University of Colorado Cancer Center. *J Clin Oncol* 36, 2018 (suppl 4S; abstr 436).
35. Friedrich T, Goodman KA, Leong S, Herter W, Davis SL, Vogel J, Gleisner A, Meguid CL, Purcell WT, McCarter M, Cowan M, Schefter TE, Messersmith WA, **Lieu CH**. Early outcomes in patients with locally advanced rectal cancer following total neoadjuvant therapy. *J Clin Oncol* 36, 2018 (suppl 4S; abstr 848).
36. Krishnamurthy A; Head LS; Weiss RE; Meguid C; Davis SL; Leong S; Messersmith WA.; Purcell WT; Leal A; Goodman KA; Johnson T; Brown M; Boniface M; Herter W; Edil B, Schulick R; McCarter M; Ahrendt S; **Lieu CH**. Impact of multidisciplinary management in the diagnosis and treatment of neuroendocrine tumors. *J Clin Oncol* 36, 2018 (suppl; abstr e16165)
37. Kasi PM, Dayyani F, Morris VK, Kopetz S, Parikh AR, Starr JS, Cohen S, Grothey A, **Lieu CH**, O'Hara MH, Loranger K, Westbrook L, Sharma S, Krinshpun S, Hook N, Zimmermann B, Billings PR, Aleshin A. Tumor-informed assessment of molecular residual disease and its incorporation into practice for patients with early and advanced-stage colorectal cancer (CRC-MRD Consortia). *J Clin Oncol* 38: 2020 (suppl; abstr 4108)
38. **Lieu CH**, Davis SL, Leong S, Leal AD, Blatchford PJ, Sandhu GS, Purcell WT, Kim SS, Van de Voorde Z, Telles R, Martin A, Cull T, Waring M, Reed C, Lee C, Siedem A, Lee MR, Pitts T, Eckhardt SG, Messersmith WA. Results from the safety lead-in for a phase II study of pembrolizumab in combination with binimetinib and bevacizumab in patients with refractory metastatic colorectal cancer (mCRC). *J Clin Oncol* 38: 2020 (suppl; abstr 4031)

#### **Original Research: Oral Abstract Presentations at National/International Meetings**

1. **Lieu CH**, Renfro L, de Gramont A, Maughan TS, Seymour MT, Saltz L, Goldberg RM, Sargent D, Eckhardt SG, Eng C. The impact of young age on survival in patients with metastatic colorectal cancer: Analysis from the ARCAD Clinical Trials Program. The European Cancer Congress 2013. Amsterdam, NE.
2. **Lieu CH**, Bendell J, Powderly J, Pishvaian M, Hochster H, Eckhardt SG, Funke R, Rossi C, Waterkamp D, Hurwitz JH. Safety and efficacy of MPDL3280A (anti-PDL1) in combination with bevacizumab (bev) and/or chemotherapy (chemo) in patients (pts) with locally advanced or solid tumors. European Society of Medical Oncology Annual Meeting 2014. Madrid, Spain.
3. **Lieu CH**, Pitts TM, Capasso A, Spreafico A, Eckhardt SG. A phase IB study of the combination of AZD6244 hydrogen sulfate (selumetinib) and cyclosporin A (CsA) in patients with advanced solid tumors with an expansion cohort in metastatic colorectal cancer. *Conquer Cancer Foundation Scientific and Career Development Retreat*. Alexandria, VA. October 16, 2015.

#### **Original Research: Published Abstract Presentations at National/International Meetings**



1. **Lieu C**, Lambert L, Wolff RA, Eng C, Lin E, Rafeeq S, Fournier K, Royal R, Mansfield P, Overman MJ. The role of surgical cytoreduction and systemic chemotherapy in metastatic poorly differentiated or signet ring cell adenocarcinomas of the appendix. In: 2010 Gastrointestinal Cancers Symposium; 2010 Jan 22-24; Orlando, FL: Abstract ID 479.
2. **Lieu C**, Wolff RA, Eng M, Overman M, Henry L, Coulson R, Garrett C, Abbruzzese J, Gallick G, Kopetz S. Phase IB Study of the Src Inhibitor Dasatinib with FOLFOX and Cetuximab in Metastatic Colorectal Cancer. In: 2010 Symposia on Cancer Research; 2010 Oct 8-9; Houston, TX: Abstract D4.
3. **Lieu CH**, Tentler JJ, Tan AC, Pitts TM, Spreafico A, Selby HM, McPhillips KL, Bagby SM, Eckhardt SG. TAK-733, and investigational novel MEK inhibitor, suppresses colorectal cancer (CRC) tumor growth in biomarker positive patient-derived human tumor explants. EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics; 2012 Nov 6-9; Dublin, Ireland: Abstract 393.
4. Dotan E, Cohn SJ, Starodub AN, **Lieu CH**, Messersmith WA, Guarino MJ, Marshall JL, Goldberg RM, Hecht JR, Maliakal P, Wegener WA, Sharkey RM, Wilhelm F, Lee L, Goldenberg DM, Berlin JD. Labetuzumab govitecan (IMMU-130), an anti-CEACAM5/SN-38 antibody-drug conjugate, is active in patients (pts) with heavily pretreated metastatic colorectal cancer (mCRC): phase II results. 2016 AACR Annual Meeting. Abstract# CT065.
5. Wallin J, Pishvaian MJ, Hernandez G, Yadav M, Jhunjunwala S, Delamarre L, He X, Powderly J, **Lieu CH**, Eckhardt SG, Hurwitz H, Hochster HS, Murphy J, Leveque V, Cha E, Funke R, Waterkamp D, Hegde P, Bendell J. Clinical activity and immune correlates from a phase Ib study evaluating atezolizumab (anti-PDL1) in combination with FOLFOX and bevacizumab (anti-VEGF) in metastatic colorectal carcinoma. 2016 AACR Annual Meeting. Abstract# 2651
6. Capasso A, Dasari A, Lockhart AC, Stein M, Sanoff H, Lee J, Hansen A, Bekaii-Saab T, Rippke S, Yao J, Meric-Bernstam F, Eckhardt SG, **Lieu CH**. A phase IB study of the combination of AZD6244 hydrogen sulfate (selumetinib) and cyclosporin A (CsA) in patients with advanced solid tumors with an expansion cohort in metastatic colorectal cancer (mCRC). 2016 AACR Annual Meeting. Abstract# CT146.

### Patient Education Materials

1. Biomarkers and Testing. Fight CRC Patient Information Packet 2017.

### Original Research: Protocols

- Protocol: 2010-0378 – Bristol-Myers Squibb  
 Title: Phase II study of second-line irinotecan plus brivanib, a dual tyrosine inhibitor of VEGF and FGFR, in metastatic colorectal cancer patients enriched for elevated levels of plasma bFGF following progression on bevacizumab treatment  
 Role: Co-Principal Investigator: Christopher Lieu, M.D., Principal Investigator: Michael J. Overman, M.D.
- Protocol: COMIRB# 11-134 – Merrimack  
 Title: A phase I and pharmacologic study of MM-151 in patients with refractory advanced solid tumors  
 Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 12-25 – Novartis  
 Title: A randomized, double-blind, multicenter, phase III study of everolimus (RAD001) plus best supportive care versus placebo plus best supportive care in the treatment of patients with advanced NET of GI or lung origin (RADIANT-4)  
 Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 13-0395 – Novartis

- Title: Randomized phase II study of BEZ235 or everolimus in advanced pancreatic neuroendocrine tumors  
Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 13-2486 – Immunomedics  
Title: A Phase I/II Study of Once or Twice Weekly IMMU-130 (hMN-14-SN38, Antibody-Drug Conjugate) in Patients with Colorectal Cancer  
Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: NCI Protocol# 9571 – COMIRB 13-2628  
Title: A Phase IB Study of the Combination of AZD6244 Hydrogen Sulfate (selumetinib) and Cyclosporin A (CsA) in Patients with Advanced Solid Tumors with an Expansion Cohort in Metastatic Colorectal Cancer  
Role: Principal Investigator: Christopher Lieu, M.D.
- Protocol: NCI/CTEP/IDB/DCTD Protocol# EAY131  
Title: Molecular Analysis for Therapy Choice (MATCH) – Phase 2 study of crizotinib in patients with tumors (other than adenocarcinoma of lung) with ROS1 translocation  
Role: co-Principal Investigator: Christopher Lieu, M.D., Study Chairs: Keith Flaherty, Alice Chen
- Protocol: COMIRB# 15-0802 – Novartis  
Title: A phase II, multicenter, single-arm study of oral ceritinib in adult patients with ALK-activated gastrointestinal malignancies  
Role: Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 15-1205 – Merrimack  
Title: A phase 1 study evaluating the safety, pharmacology, and preliminary activity of the co-administration of MM-151 and MM-121 in Heregulin Positive Cancer Patients  
Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 15-2031 – Ipsen  
Title: Study of Nanoliposomal Irinotecan (Nal-IRI)-Containing Regimens in Patients With Previously Untreated, Metastatic Pancreatic Adenocarcinoma  
Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 16-0991 – Array  
Title: A Multicenter, Randomized, Open-label, 3-Arm Phase 3 Study of Encorafenib + Cetuximab Plus or Minus Binimetinib vs. Irinotecan/Cetuximab or Infusional 5-Fluorouracil (5-FU)/Folinic Acid (FA) /Irinotecan (FOLFIRI)/Cetuximab with a Safety Lead-in of Encorafenib + Binimetinib + Cetuximab in Patients with BRAF V600E-mutant Metastatic Colorectal Cancer  
Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 16-0989 – Genentech  
Title: A phase IB open-label study evaluating the safety, tolerability and pharmacokinetics of cobimetinib in combination with bevacizumab and immunotherapy when administered in patients with gastrointestinal and other tumors  
Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 17-7807 – Roche  
Title: An open-label, multicenter, dose-escalation phase I study to evaluate the safety, pharmacokinetics, and therapeutic activity of RO6958688, a novel t-cell bispecific antibody that targets the human

- carcinoembryonic antigen (CEA) on tumor cells and CD3 of T-cells, administered intravenously in patients with locally-advanced and/or metastatic CEA(+) solid tumors.  
 Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 17-0466 – University of Colorado (Investigator-Initiated Trial)  
 Title: Phase II study of pembrolizumab in combination with binimetinib and bevacizumab in patients with refractory colorectal cancer  
 Role: Study Principal Investigator
- Protocol: COMIRB# 17-1021 – Merck  
 Title: Safety and Efficacy of Pembrolizumab (MK-3475) Plus Binimetinib Alone or Pembrolizumab Plus Chemotherapy With or Without Binimetinib in Metastatic Colorectal Cancer (mCRC) Participants (MK-3475-651)  
 Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 17-2036 – National Clinical Trials Network  
 Title: Combination Chemotherapy With or Without Atezolizumab in Treating Patients With Stage III Colon Cancer and Deficient DNA Mismatch Repair  
 Role: SWOG Principal Investigator
- Protocol: COMIRB# 18-1672 – Inhibrx  
 Title: Phase 1 Study of INBRX-109 in Subjects With Locally Advanced or Metastatic Solid Tumors Including Sarcomas  
 Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 18-1721 – Holy Stone  
 Title: Phase 1, Two-Part (Dose Escalation, Dose Expansion), Multicenter, Non-Randomized, Open-Label, Multiple Dose, First-in-Human Study of CA102N Monotherapy and of CA102N combined with Trifluridine/Tipiracil (LONSURF) in Subjects with Advanced Solid Tumors  
 Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 19-3118 – ST Pharm  
 Title: First-In-Human Dose-Escalation Study of STP1002 in Patients with Advanced-Stage Solid Tumors  
 Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 20-1267 – Daiichi-Sankyo  
 Title: A multi-center, open-label, phase 2 study to evaluate safety and efficacy of U3-1402 in subjects with advanced or metastatic colorectal cancer  
 Role: Local Principal Investigator: Christopher Lieu, M.D.
- Protocol: COMIRB# 21-4940 – TriSalus  
 Title: Pressure enabled drug delivery by pancreatic retrograde venous infusion for locally-advanced pancreatic cancer  
 Role: Study Principal Investigator: Christopher Lieu, M.D.

#### **INTERNATIONAL SCIENTIFIC MEETINGS ATTENDED**

- Oct. 2012 Southwest Oncology Group (SWOG) Fall Meeting. Chicago, IL, (CME designated activity)
- Jan. 2013 American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium. San Francisco, CA (CME designated activity)

- May 2013 American Society of Clinical Oncology (ASCO) Annual Meeting. Chicago, IL, (CME designated activity)
- Sept. 2013 European Society for Medical Oncology (ESMO). Amsterdam, Netherlands, (CME designated activity)
- Oct. 2013 Southwest Oncology Group (SWOG) Fall Meeting. Chicago, IL, (CME designated activity)
- Jan. 2014 American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium. San Francisco, CA (CME designated activity)
- Feb. 2014 American Association for Cancer Research (AACR) RAS Targets Meeting. Orlando, FL, (CME designated activity)
- April 2014 American Association for Cancer Research (AACR) Annual Meeting. San Diego, CA, (CME designated activity)
- May 2014 Southwest Oncology Group (SWOG) Spring Meeting. San Francisco, CA, (CME designated activity)
- Sept. 2014 European Society for Medical Oncology (ESMO). Madrid, Spain (CME designated activity)
- Oct. 2014 Southwest Oncology Group (SWOG) Fall Meeting. Chicago, IL, (CME designated activity)
- Jan. 2015 American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium. San Francisco, CA, (CME designated activity)
- April 2015 American Association for Cancer Research (AACR) Annual Meeting. Washington DC, (CME designated activity)
- April 2015 Southwest Oncology Group (SWOG) Spring Meeting. San Francisco, CA, (CME designated activity)
- May 2015 American Society of Clinical Oncology (ASCO) Annual Meeting. Chicago, IL, (CME designated activity)
- Oct. 2015 Southwest Oncology Group (SWOG) Fall Meeting. Chicago, IL, (CME designated activity)
- Nov. 2015 American Association for Cancer Research (AACR). Boston, MA, (CMD designated activity)
- Jan. 2016 American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium. San Francisco, CA (CME designated activity)
- April 2016 American Association for Cancer Research (AACR) Annual Meeting. New Orleans, LA, (CME designated activity)
- May 2016 Southwest Oncology Group (SWOG) Spring Meeting. San Francisco, CA, (CME designated activity)
- June 2016 American Society of Clinical Oncology (ASCO) Annual Meeting. Chicago, IL, (CME designated activity)
- Sept. 2016 Southwest Oncology Group (SWOG) Fall Meeting. Chicago, IL, (CME designated activity)
- Sept. 2016 Cancer Therapy Evaluation Program (CTEP) Early Drug Development Meeting. Washington DC,
- January 2017 American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium. San Francisco, CA (CME designated activity)
- April 2017 American Association for Cancer Research (AACR) Annual Meeting. Washington DC, (CME designated activity)
- May 2017 Southwest Oncology Group (SWOG) Spring Meeting. San Francisco, CA, (CME designated activity)
- June 2017 2017 American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago, IL (CME designated activity)

- October 2017 Southwest Oncology Group (SWOG) Fall Meeting. Chicago, IL (CME designated activity)
- January 2018 American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium. San Francisco, CA (CME designated activity)
- June 2018 2018 American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago, IL (CME designated activity)
- January 2019 American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium. San Francisco, CA (CME designated activity)
- June 2019 2019 American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago, IL (CME designated activity)
- June 2020 2020 American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago, IL (CME designated activity)
- January 2021 2021 American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium, Virtual Meeting (CME designated activity)
- June 2021 2021 American Society of Clinical Oncology (ASCO) Annual Meeting, Virtual Meeting (CME designated activity)