

UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE
Curriculum Vitae

Date: 05/17/2021

Rotonya M. Carr, MD

Address: 421 Curie Boulevard
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Philadelphia, PA 19104 USA

If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:
none (U.S. citizen)

Education:

1996	B.A.	Harvard University (Biology Cum Laude)
2001	M.D.	Cornell University Medical College

Postgraduate Training and Fellowship Appointments:

2001-2002	Intern in Medicine, Massachusetts General Hospital, Boston, MA
2002-2004	Resident in Medicine, Massachusetts General Hospital, Boston, MA
2008-2011	Fellowship in Gastroenterology, Hospital of the University of Pennsylvania, Philadelphia, PA
2009-2013	Postdoctoral fellowship, University of Pennsylvania

Faculty Appointments:

2004-2008	Clinical Assistant Professor, University of Missouri-Columbia Medical School
2011-2013	Instructor A in Medicine, University of Pennsylvania Perelman School of Medicine, Department of Medicine
2013-present	Assistant Professor of Medicine at the Hospital of the University of Pennsylvania, University of Pennsylvania School of Medicine
2021	Associated Professor of Medicine at the Hospital of the University of Pennsylvania, University of Pennsylvania School of Medicine

Hospital and/or Administrative Appointments:

2018-present	Director of Liver Metabolism and Fatty Liver Clinic, University of Pennsylvania
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Other Appointments:

2015-present	Co-Director, Human Metabolic Tissue Resource, Institute of Diabetes, Obesity and Metabolism
2021-present	Associate Director, Institute of Translational Medicine and Therapeutics (ITMAT) Education Programs

Specialty Certification:

2004	Internal Medicine, American Board of Internal Medicine 2014, Passed Internal Medicine Recertification exam
2011	Gastroenterology, American Board of Internal Medicine

Licensure:

2003-2004	The Massachusetts Board of Registration in Medicine
2004-2008	State of Missouri Medical Board
2009	Pennsylvania

Awards, Honors and Membership in Honorary Societies:

1992-1996	Harvard Faculty and Radcliffe Scholar; National Achievement Scholar
1998	Hartford Fellowship/ American Federation for Aging Research Fellowship
1998-2001	National Health Service Corps Scholar
2000	The Fellowship Program in Academic Medicine, National Medical Fellowships
2002	David and Gladys Drusin Memorial Prize for Scholastic Achievement and Qualities of a Good Physician
2003	Partners in Excellence Award for Innovation, Massachusetts General Hospital
2004	Outstanding Volunteer Service Award, Missouri Bootheel Regional Consortium
2004-2008	Board of Directors, 1st Vice-Chair and Chair of Fundraising, MBRC, Inc., (MBRC)
2005	Medical Advisor, Surviving Residency (a medical journal for residents)
2006	Key to Sikeston, community honor for service
2008	Outstanding Physician in Sikeston, honor for medical service to community
2008	Volunteer of the Year Nominee, Sikeston Chamber of Commerce
2011	Komarov Competition Basic Science Research Winner, a regional research competition for GI fellows
2011	Fellowship 2 Leadership DDW Fellow Travel Grant Awardee, Salix Fellows Program
2011	Frank Brooks Research Award, University of Pennsylvania, Department of Medicine, awarded annually to one trainee researcher in the Department of Medicine, Division of Gastroenterology
2012	American Gastroenterological Association/American Association for the Study of Liver Diseases)(AGA/AASLD), Academic Skills Workshop Travel Award, a competitive award for GI fellows and young faculty in academia

2014	University of Pennsylvania Celebration of Women Faculty
2014	Robert Wood Johnson Harold Amos Medical Faculty Development Scholar
2015	Wharton Business School Executive Leadership Training, Edward S. Cooper Leadership Training Program
2015	UPenn Pathways Program, Competitive application for leadership development program
2015	Center of Excellence for Diversity in Health Education and Research faculty fellow, University of Pennsylvania
2015	AGA Future Leaders Fellow, inaugural member of fellows selected for development of future AGA leaders
2016	FASEB Travel Award, Lipid Droplet Biology
2017	AASLD Presidential Poster of Distinction
2017	Gordon Research Conference, Alcohol-Induced End Organ Diseases, Travel Award and Invited presenter
2018	Excellence in Faculty Research Award, University of Pennsylvania, Department of Medicine, Division of Gastroenterology
2018	Finalist for Philadelphia School District School Board
2018	2018 Gregory Gurtner Memorial Lecture, Washington University
2018-2022	NIAAA AA-1 Study Section Standing Member
2019	Leadership Enhancement 2.0 Fellow, University of Pennsylvania
2020	NIH CSR special emphasis panel study section
2020	AASLD 2020 Poster of Distinction
2020	Recognized by Cell in their inaugural list of "100 Inspiring Black Scientists in America"
2021	National Board of the American Liver Foundation
2021	Fellow of the American College of Physicians
2021	Recipient of the Inaugural Lina Obeid Junior Investigator Award. This award was created to remember Dr. Lina Obeid, a sphingolipid physician-scientist, and to continue her legacy of advocating for women in science.

Memberships in Professional and Scientific Societies and Other Professional Activities:

International:

2010-Present European Association for the Study of Liver (Member)

National:

2003-2008 American Medical Association (Member)

2008-Present American Association for the Study of Liver Diseases (Member Research Awards Committee 2018-present; Member Diversity Committee Task Force 2016; Member Basic Research Committee 2015-2017; Member Basic Research Committee 2013-2015; Member Website Panel 2010; Member NIH Liaison Committee 2009-2011;

Member 2008-Present)

- 2008-Present American Gastroenterological Association (Member-External Advisory Board for AGA Forward Program (an R25 grant to promote the growth and retention of underrepresented minority academic GIs, obtained during my tenure as Chair of the Diversity Committee 2019-present
Chair-elect, Government Affairs Committee, 2020-2021 (followed by Chair)
Member-Government Affairs Committee 2018-present; Equity Task Force Advisory Board, 2020
Chair-Diversity Committee 2015-2018
Member-Nominating Committee 2016-2017
Director-Trainee Track 2014
Co-Director-Trainee Track 2013)
- 2008-2012 American Society for Gastrointestinal Endoscopy (Member)
- 2011-Present Research Society on Alcoholism (Member)
- 2014-Present Robert Wood Johnson, Harold Amos Medical Faculty Development Program (Scholar)
- 2015-Present NIH/NIDDK/Network of Minority Health Research Investigators, a national network of minority researchers with NIDDK-related research; sponsored by NIDDK (Member)
- 2018-Present National Institutes of Health, NIAAA, Study Section
- 2020-Present The Association of Black Gastroenterologists and Hepatologists (ABGH) (Inaugural board member, Programming Committee member)

Local:

- 2015 Philadelphia Area Alcohol Research Committee (PAARC) (Co-founder)

Editorial Positions:

- 2005 Medical Advisor, Surviving Residency (a medical journal for residents)
- 2011-Present Faculty of 1000, Associate Faculty Member
- 2012-Present Reviewer, New York Academy of Sciences
- 2012-Present Reviewer, Journal of Virology
- 2013-Present Reviewer, Alimentary Pharmacology & Therapeutics
- 2013-Present Editor, JSM Gastroenterology and Hepatology
- 2014-Present Reviewer, Cellular and Molecular Gastroenterology and Hepatology
- 2014-Present Reviewer, PlosOne
- 2015-Present Reviewer, Nature, Scientific Reports
- 2016-Present Reviewer, Journal of Lipid Research

2017-Present	Reviewer, Hepatology
2018-Present	Invited Guest Editor, Cellular and Molecular Gastroenterology and Hepatology
2018-Present	MKSAP19, Gastroenterology and Hepatology Committee Member and Contributor
2019-Present	Junior Associate Editor, Journal of Lipid Research
2019-Present	Editorial Board Member, Hepatology
2019-Present	Reviewer, Journal of Clinical Investigation

Academic and Institutional Committees:

2011-2014	Chair, The Underrepresented Minority (URM) Committee of the Division of Gastroenterology, University of Pennsylvania Perelman School of Medicine
2011-Present	Member, Women's Committee of the Division of Gastroenterology, University of Pennsylvania Perelman School of Medicine
2012-Present	Member, Junior Faculty Professional Development Committee of the Division of Gastroenterology, University of Pennsylvania Perelman School of Medicine
2012-Present	Member, Fellowship Interview Committee of the Division of Gastroenterology, University of Pennsylvania Perelman School of Medicine
2012-Present	Member, Education and Training Committee of the Division of Gastroenterology, University of Pennsylvania Perelman School of Medicine
2012	Chair of Steering Committee, Institute for Translational Medicine and Therapeutics and Division of Gastroenterology Symposium
2012-2014	Faculty mentor, University of Pennsylvania Perelman School of Medicine Pipeline program; served as faculty advisor for the development of a novel didactic and hands-on GI curriculum for high school students
2013	Member, Penn's New Commission on Student Safety, Alcohol and Campus Life
2013-2014	Division of Gastroenterology Fellowship Director Search Committee
2014-Present	Member, Selection committee for Undergraduate Student Scholars Program
2015-Present	Co-Director, The Human Metabolic Tissue Resource, a new university biobank and database for the collection of metabolic tissues (eg liver, fat; responsible for a \$30K budget
2017-Present	Member, Residency Interview Committee of the Department of Medicine Internal Medicine Division, University of Pennsylvania Perelman School of Medicine
2018-Present	Cellular and Molecular Biology Graduate Studies Member Abstract reviewer
2019-Present	Thesis Committee, Luke Izzo: ATP-citrate lyase (ACLY) and its role in hepatocarcinogenesis

2019-Present	Medical School Liaison/Faculty Advisor for Penn Law students interested in exploiting the interdisciplinary resources at Penn, Penn Law Black Students and Alumni
2020-Present	Member, Search Committee for Endocrine Division Faculty Hire
2020-Present	Member, Search Committee for Transplant Surgery Department Faculty Hire
2020-2021	Member, Search Committee for tenure track physician-scientist for Division of Gastroenterology

Major Academic and Clinical Teaching Responsibilities:

2008	FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Lecturer for medical residents, fellows and students on hepatology service, University of Pennsylvania Perelman School of Medicine
2009	POSTDOCS- Mentor and instructor of lab techniques for undergraduates and post-doctorates in the Ahima lab, University of Pennsylvania Perelman School of Medicine Total of 6 lab members to date
2010	UNDERGRADUATE STUDENTS- "Minority research careers in academic medicine," Undergraduate Student Scholars Program Mentoring Retreat, University of Pennsylvania Perelman School of Medicine
2010	FELLOWS AND FACULTY- "The role of TIP47 lipid droplet protein in the pathogenesis of non-alcoholic fatty liver disease," University of Pennsylvania Division of Gastroenterology Annual Research Day, Philadelphia, PA
2010	FELLOWS AND FACULTY- "The role of TIP47 lipid droplet protein in the pathogenesis of non-alcoholic fatty liver disease," University of Pennsylvania Division of Gastroenterology Annual Research Day, Philadelphia, PA
2011-2014	MEDICAL STUDENTS- The Doctor-Patient Relationship: Introduction to Communication and Culture, a course for 1st year medical students at the University of Pennsylvania Perelman School of Medicine
2011	FELLOWS, RESIDENTS AND MEDICAL STUDENTS- "Hepatorenal syndrome" a lecture to medical students, fellows and residents, Hospital of the University of Pennsylvania
2011	FELLOWS AND FACULTY- Lipid droplet proteins in NAFLD and ALD, University of Pennsylvania Division of Gastroenterology Annual Research Day
2011	FELLOWS, RESIDENTS AND MEDICAL STUDENTS- "Ascites", a lecture to medical students and residents, Hospital of the University of Pennsylvania
2012	MEDICAL STUDENTS- GI Pathophysiology Medical Student Small Group Instructor, University of Pennsylvania Perelman School of Medicine
2012	UNDERGRADUATE STUDENTS- Guest lecturer for University of

- Pennsylvania's Women's Biomedical Society, an organization that supports female undergraduates pursuing biomedical careers
- 2012 FELLOWS- "Variceal bleeding and Blakemore tube placement", a lecture to University of Pennsylvania GI fellows, Philadelphia, PA
- 2012 FELLOWS AND FACULTY- "Of hamsters, mice and men...Unraveling the mechanisms of insulin resistance in alcoholic liver disease", Hepatology Division Conference, University of Pennsylvania, Philadelphia, PA
- 2012 FELLOWS AND FACULTY- "Effect of chronic ethanol ingestion in mice lacking the lipid droplet protein, Perilipin 2," University of Pennsylvania, Philadelphia, PA
- 2012 FELLOWS AND FACULTY- "Prevalence and profile of patients with dual diagnosis of NAFLD and IBD at the University of Pennsylvania," University of Pennsylvania, Philadelphia, PA
- 2012 CME- "Insulin Resistance in Liver Disease", Grand Rounds, University of Pennsylvania, Division of Gastroenterology, Philadelphia, PA
- 2012 POST-DOCS, LAB TECHNICIAN, STUDENTS- Lab lectures on general hepatology topics, basic methods in alcohol research, and lab safety
- 2013 CME- "NAFLD: Who to Biopsy, How to Treat" Penn GI Live, University of Pennsylvania, Philadelphia, PA
CME Course
- 2013 CME- "GI Interdisciplinary Conference Grand Rounds", University of Pennsylvania, Philadelphia, PA
- 2013 RESIDENTS- "Epidemiology and pathophysiology of non-alcoholic steatohepatitis," lecture to medical residents, University of Pennsylvania, Philadelphia, PA
- 2013 CME- "Nonalcoholic steatohepatitis is an endocrine disorder," lecture to Division of Endocrinology, University of Pennsylvania, Philadelphia, PA
- 2013 FELLOWS AND FACULTY- Plin2 mediated insulin resistance in alcoholic liver disease, Hepatology Conference, University of Pennsylvania, Philadelphia, PA
- 2013 FELLOWS AND FACULTY- What's New in NASH, Hepatology Conference, University of Pennsylvania, Philadelphia, PA
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Liver anatomy and physiology, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Pathophysiology of portal hypertension, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Non-HCC hepatic tumors, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania

- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Hepatic copper metabolism, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- The liver acinus, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Portopulmonary hypertension and hepatopulmonary syndrome, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Hepatorenal syndrome, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Ascites formation, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Acute liver failure, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Hepatic encephalopathy, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Bilirubin metabolism and cholestasis, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Insulin resistance in liver disease, a lecture to medical students, residents and fellows, Hospital of the University of Pennsylvania
- 2013 RESIDENTS- NAFLD: Beyond the Liver, a lecture to medical residents
- 2013 CME- NAFLD: Beyond the Liver, a CME Endocrine specialty seminar
- 2013 MEDICAL STUDENT- University of Pennsylvania Perelman School of Medicine mentor for 4th year student scholarly project; Predictors of readmission and mortality in hepatic encephalopathy in cirrhotic patients admitted to UPHS; Effects of a pre- and post-discharge intervention on readmission and mortality in hospitalized patients with hepatic encephalopathy. 2 abstracts presented (American College of Gastroenterology 2014; University of Pennsylvania Department of Medicine Research Day 2015); 1 abstract submitted AASLD 2015; manuscript in preparation)
- 2014 CME- "NAFLD: Who to Biopsy, How to Treat" Penn GI Live, University of Pennsylvania, Philadelphia, PA
- 2014 MEDICAL STUDENTS- Modeling obesity related diseases Perelman School of Medicine, Frontiers Course

- 2014 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Basic
Liver Anatomy and Physiology
Liver Inpatient Rotation
- 2014 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Basic
Liver Histology
Liver Inpatient Rotation
- 2014 FELLOWS, RESIDENTS AND MEDICAL STUDENTS-
Pathophysiology of Hepatorenal Syndrome
Liver Inpatient Rotation
- 2014 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Basic
mechanisms of Hepatitis C infection and mode of action of Direct
Acting Antivirals
Liver Inpatient Rotation
- 2014 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Review
of bilirubin metabolism and cholestatic liver diseases
Liver Inpatient Rotation
- 2014 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Radiation
oncology approaches to management of hepatocellular carcinoma
Liver Inpatient Rotation
- 2014 FELLOWS, RESIDENTS AND MEDICAL STUDENTS-
Pathophysiology of spontaneous bacterial peritonitis
Liver Inpatient Rotation
- 2014 FELLOWS, RESIDENTS AND MEDICAL STUDENTS-
Mechanisms and management of Non-alcoholic steatohepatitis
Liver Inpatient Rotation
- 2014 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Post-
Liver Transplant Complications
Liver Inpatient Rotation
- 2014 FELLOWS, RESIDENTS AND MEDICAL STUDENTS-
Mechanisms of immune mediated rejection and mode of action of
immunosuppression agents in liver transplant patients
Liver Inpatient Rotation
- 2014 FELLOWS- Ascites and SBP
GI Fellows Core Curriculum
- 2014 FELLOWS AND FACULTY- Addressing Readmissions and
Mortality In Cirrhotics Admitted With Hepatic Encephalopathy,
Hepatology Division Meeting
- 2014 CME- A Model of Professional Development Support at Penn,
Department of Medicine Grand Rounds
- 2014 OTHER- Created a NAFLD smartphrase for incorporation into the
EPIC patient record system to aid providers in the care and referral
of NAFLD patients
- 2014-present MENTORSHIP:
Jason Correnti, PhD: Post-docMASTERS STUDENT in addiction
therapy and family therapy2014-present
Bianca Williams: Lab technician, research specialistRESEARCH

- 2015 ASSISTANT III, Charles River Laboratories 2014-present
CME- NAFLD: Impacting Longevity
Geriatric Grand Rounds
- 2015 CME- NAFLD: Beyond the Liver for Endocrinologists
Endocrine lecture
- 2015 MEDICAL STUDENTS- Modeling Obesity and Its Related
Diseases
Frontiers of Medicine Course
- 2015 RESIDENTS- NAFLD: A Management Paradigm, Resident's
Report
- 2015 UNDERGRADUATE STUDENTS- Modeling obesity: A Primer for
Summer Students
- 2016 RESIDENTS- Resident Report (NAFLD case and discussion)
- 2016 FELLOWS AND ATTENDING: Insulin resistance in ALD
Liver conference
- 2016 POST-DOCTORAL FELLOWS, FELLOWS, STUDENTS,
JUNIOR FACULTY- Effective poster presentation
- 2016 "NAFLD: Who to Biopsy How to Treat"
University of Pennsylvania, CME
- 2016-present MENTORSHIP:
Amanke Oranu, MD: GI Fellow
(UPenn)GASTROENTEROLOGIST
Annie Lin: Undergraduate student (UPenn)MEDICAL STUDENT,
Temple Medical School
Maxine Annoh: Undergraduate student
(Swarthmore)UNDERGRADUATE STUDENT, Swarthmore
University
James Beck: Post-bac student (Drexel)MEDICAL STUDENT, St.
Thomas Medical School
Victoria Mitchell: Post-bac student (Drexel)MEDICAL
STUDENT, Morehouse School of Medicine
- 2017 FELLOWS AND ATTENDING: Molecular tools to manage risk of
relapse to harmful drinking
(Liver conference)
- 2017 PHD SCIENTISTS IN ENGINEERING AND PHYSICS- "Lipid
droplet proteins in hepatic steatosis"
- 2017 FELLOWS, NURSES AND FACULTY "Non-alcoholic fatty liver
disease for endocrinologists"
(Endocrine conference)
- 2017 CME Abnormal LFTs in a young adult patient
Penn GI Live
- 2017 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Portal
anatomy and portal hypertension, Liver inpatient rotation
- 2017 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- NAFLD
pathogenesis, diagnosis and management, Liver inpatient rotation
- 2017 Lab lectures on general hepatology topics, basic methods in alcohol

- 2017 research, lab safety; mentorship and advising
Lecturer for medical residents, fellows and students on hepatology service, University of Pennsylvania Perelman School of Medicine
- 2017-present MENTORSHIP:
Chelsea Lin: Undergraduate (UPenn)PRE-MED, gap year; Carr Lab Research Specialist
Dru McIver: High school student (Central High)UNDERGRADUATE STUDENT, Temple University
Isabelle Kaneza: Undergraduate Student (Oakwood University)MEDICAL STUDENT, Penn Med
Victoria Scott: Research specialistNIH, Lab Manager
Abigail Haba: Post-bac student (Drexel)MEDICAL STUDENT, PCOM Medical School
Amy Kuriakose: High school studentUNDERGRADUATE, Rice University
Kathy Williams: Medical student (Cooper)RESIDENT, Lenox Hill, APPLYING IN GI
Rani Richardson: Undergraduate student (UPenn)MD/PHD STUDENT, UNC Chapel Hill
Hannah Dada: Lab tech (UPenn)MD/PHD STUDENT, Case Western and Oxford PhD programs
Lauren Gottshall: Undergraduate studentRESIDENT, completed MD/PhD program, Penn State College of Medicine, now at Hershey Medical Center
- 2018 MEDICAL RESIDENTS, FELLOWS AND STUDENTS- Inpatient hepatology service, University of Pennsylvania Perelman School of Medicine
- 2018 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Hepatorenal syndrome, Liver inpatient rotation
- 2018 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Portopulmonary hypertension and hepatopulmonary syndrome, Liver inpatient rotation
- 2018 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Hepatocellular carcinoma, Liver inpatient rotation
- 2018 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- Liver transplantation listing process, Liver inpatient rotation
- 2018 CME- Alcoholic hepatitis: What can we offer?
Penn GI Live
- 2018 FELLOWS AND ATTENDING- Cannabis and the liver: What hepatology providers need to know
- 2018 FELLOWS, NURSES AND FACULTY "The Skinny on Non-alcoholic fatty liver disease"
(Endocrine conference)
- 2018 POSTDOCS and STUDENTS- Lab lectures on general hepatology topics, basic methods in alcohol research, lab safety; mentorship and advising

- 2018 UNDERGRADUATE STUDENTS- Modeling obesity and related diseases: A Primer for Summer Students
- 2018 FACULTY AND FELLOWS- "Carr Lab Work in Progress: Translating ceramide biology in ALD patients", University of Pennsylvania, Div. of GI
- 2018 MEDICAL STUDENTS- Medical Gaze, Story Slam, a panel discussion for students in the Doctoring course
- 2018 "Translational opportunities in fatty liver diseases", Institute for Immunology Symposium, University of Pennsylvania
- 2018-present MENTORSHIP:
 Sookyong Jeon, PhD: Post-docPOST-DOC, Carr Lab
 Jascha Brettschneider: Lab technician, research specialist
 GRADUATE STUDENT, Masters of Science in Biology with a specialization in Ecology, University of Copenhagen
 Eleonora Scorletti, MD, PhD: Post-docPOST-DOC, Carr Lab
 Ilton Cubero Salazar: ResidentFELLOW, Cardiology, Hopkins
- 2019 FELLOWS, NURSES AND FACULTY- "NAFLD: What's New in 2019?"
 (Endocrine conference)
- 2019 UNDERGRADUATE STUDENTS- "Modeling Obesity and Its Related Diseases", Undergraduate Summer Scholars Program
- 2019 MEDICAL STUDENTS- "Obesity and Fatty Liver in Adults: Translational Approaches", Frontiers in Medicine Course
- 2019 CME- "Patient with Fatty Liver on Imaging: Do I Need to Refer the Patient to a Specialist?:", Penn GI Live
- 2019 CME- "The Case for a Multidisciplinary Approach to NAFLD Care", Penn Viral Hepatitis and Fatty Liver Grand Rounds
- 2019 GRADUATE STUDENTS- Ceramides and lipid droplet biology
- 2019 FELLOWS, RESIDENTS AND MEDICAL STUDENTS-- Hepatorenal syndrome, Liver inpatient rotation
- 2019 FELLOWS, RESIDENTS AND MEDICAL STUDENTS-- Ascites pathogenesis, Liver inpatient rotation
- 2019 FELLOWS, RESIDENTS AND MEDICAL STUDENTS- NAFLD natural history, Liver inpatient rotation
- 2019 MEDICAL STUDENTS- Medical Gaze, Story Slam, a panel discussion for students in the Doctoring course
- 2019 POSTDOCS, STUDENTS- Lab lectures on general hepatology topics, basic methods in lipid research, lab safety; mentorship and advising
- 2019 CME- The Case for a Multidisciplinary Approach to NAFLD Care, GI Hepatology Grand Rounds
- 2019 GRADUATE STUDENTS - Cellular and Molecular Biology CAMB692, Advanced Topics in Cell Biology, Physiology, and Metabolism Part II ("Hepatic Lipid Metabolism"),
- 2019-present MENTORSHIP:
 Yedidya Saiman, MD, PhD: GI Fellow (UPenn)TRANSPLANT

HEPATOLOGY FELLOW(UPenn)
 Delfin Buyco: Lab technician, research specialist LAB
 TECHNICIAN/RESEARCH SPECIALIST, Carr Lab; applying to
 grad school
 Vivian Ortiz, MD: GI Fellow (UPenn)GI Fellow, T32 fellow
 2020-present MENTORSHIP:
 Royce Hooks: Undergraduate (Xavier)/PRE-MED, Xavier
 University
 Robert Mitrani: Medical student (UPenn)
 2021 FELLOWS- NAFLD in 2021, Endocrine Fellow conference
 2021 FELLOWS, FACULTY, RESIDENTS, MEDICAL STUDENTS:
 Non-alcoholic fatty liver disease (NAFLD): Now in 2021 and
 Looking Ahead, University of Pennsylvania General Internal
 Medicine Grand Rounds

Lectures by Invitation:

Aug, 2004 "Cancer Prevention," Sikeston Rotary Club, Sikeston, MO
 Apr, 2005 "Effects of Smoking on Maternal and Infant Health," MBRC
 Business and Not-for Profit Forum, Sikeston, MO
 Apr, 2005 "Hypertension," Scott County Heart Health Senior Citizens on the
 Move, Sikeston, MO
 Jul, 2005 "Low Birth Weight Babies," moderator for MBRC annual confer
 Oct, 2005 "CPR and Heimlich Maneuver," workshop at Bailey Street School,
 Sikeston, MO
 Jan, 2006 "Heart Disease in Women," keynote speaker, American Heart
 Association, Sikeston, MO
 Aug, 2006 "Impact of Coronary Artery Disease in Minorities," Lincoln
 University Cooperative Extension
 Aug, 2006 "Impact of Coronary Artery Disease in Minorities," Lincoln
 University Cooperative Extension, Missouri
 Oct, 2006 "Smoking Prevention," a workshop at Bailey Street School,
 Sikeston, MO
 2006 "Fever", a medical school lecture, Missouri Delta Medical Center
 Jan, 2007 Hepatitis C training workshop for community caseworkers,
 Sikeston, MO
 May, 2007 "The New Thin," a lecture on obesity, Sikeston, MO
 2007 "Cross-cultural competency", invited panelist, Washington
 University Medical School, St. Louis, MO
 May, 2008 "Cervical cancer screening and prevention", a lecture to teens,
 Sikeston, MO
 Oct, 2008 "Pregnancy and smoking", a community lecture to young parents,
 Sikeston, MO
 Jun, 2010 "Colon cancer", a community lecture, Las Vegas, NV
 May, 2012 "Limitless imagination", a talk for Academic Magnet High School
 graduation ceremony, Charleston, SC
 May, 2012 "Insulin resistance in liver disease", Grand Rounds, Roxborough

- Memorial Hospital, Philadelphia, PA
- May, 2012 "Insulin resistance in liver disease", Grand Rounds, Taylor Hospital, Ridley Park, PA
- Sep, 2012 "Glucose homeostasis in experimental alcoholic liver disease", Thomas Jefferson University Alcohol Research Center, Philadelphia, PA
- Mar, 2013 "Mediators of insulin resistance in experimental alcoholic liver disease", Indiana University, Indianapolis, IN
- May, 2014 "Perilipins at the Interface between Normal and Dysregulated Glucose Homeostasis in Alcoholic Liver Disease", The Hamner Institute for Health Sciences, Research Triangle Park, NC
- May, 2014 "Glucose homeostasis in clinical and experimental alcoholic liver disease", Weill Cornell School of Medicine
- May, 2014 Career Paths in Gastroenterology, Digestive Disease Week, Chicago, IL
- Mar, 2015 "Glucose homeostasis in alcoholic liver disease: "A new look at an old phenomenon" University of Maryland, GI Grand Rounds College Park, MD
- Apr, 2015 "Impaired glucose homeostasis in alcoholic liver disease" Columbia University, GI Grand Rounds New York, NY
- Apr, 2015 "Perilipins and ceramides in experimental alcoholic steatosis" Stony Brook University, Research Seminar Stony Brook, NY
- May, 2015 "Pathways in GI basic science", speaker and moderator at 2015 Digestive and Disease Week Symposium, Washington, DC
- Oct, 2015 "Lipids and lipid droplet proteins as mediators of alcoholic liver disease", Dallas, TX Robert Wood Foundation
- Feb, 2016 "Insulin resistance and liver 'fat' in ALD" Johns Hopkins University, Baltimore, MD GI Research Conference
- Mar, 2016 "Insulin resistance in alcoholic liver disease" University of Texas Southwestern Medical Center, Dallas, TX Grand Rounds
- Mar, 2016 "Lipid mediators of glucose homeostasis in alcoholic liver disease", University of Texas Southwestern Medical Center, Dallas, TX
- Jun, 2016 "Non-alcoholic fatty liver disease: A hepatology epidemic" US Food and Drug Administration (FDA, White Oak Campus, MD)
- Feb, 2017 "Alcohol and ceramides", Howard University, Division of Gastroenterology Grand Rounds, Washington, DC
- Mar, 2017 "Absence of Perilipin 2 prevents the increase of long-chain ceramides in the lipid droplet_fractions of alcohol-fed mice", Gordon Research Conference, Ventura, CA
- Mar, 2017 "Introduction to the digestive system", Enon Tabernacle Church,

- Philadelphia, PA
- Nov, 2017 "Lipids and lipid droplet proteins: Their pathogenic roles in liver diseases" Louisiana State University Comprehensive Alcohol Research, New Orleans, LA
- Feb, 2018 "The Skinny on NAFLD in 2018" Drexel Medical School, Philadelphia, PA
- Mar, 2018 "Lipid Droplets and Bioactive Lipids in Alcoholic Liver Disease" University of Massachusetts Medical School, Worcester, MA
- Apr, 2018 "Bioactive lipids and lipid droplet proteins in alcoholic liver disease", University of Tennessee, Memphis, TN
- Jun, 2018 "Linking Ceramides with Lipid Droplet Biology" FASEB 2018 Liver Biology Conference, Scottsdale, AZ
- Jun, 2018 "Bioactive lipids and lipid droplets in alcoholic liver disease" 2018 FASEB Lipid Droplet Conference, Steamboat, CO
- Jun, 2018 "Pathophysiology of lipid droplet proteins in liver diseases", Research Society for Alcoholism, San Diego, CA
- Oct, 2018 "The "Skinny" on Fatty Liver", American Liver Foundation, Philadelphia, PA
- Oct, 2018 "Lipid Mediators of Insulin Resistance in Alcoholic Liver Disease", Diabetes and Metabolism Symposium, Vanderbilt, Nashville, TN
- Oct, 2018 "Sphingolipids as Regulators of Insulin Resistance in Alcoholic Liver Disease" Mayo Clinic GI Research Conference, Rochester, MN
- Mar, 2019 "Ceramides as Lipid Droplet Regulators in Fatty Liver Diseases", Boehringer, Ridgefield, CT
- May, 2019 "Practical, Multidisciplinary Care of the Fatty Liver Patient", AGA, Digestive Disease Week, San Diego, CA
- Jun, 2019 "Alcohol-induced alterations in the gut-liver axis: novel mechanistic insights into metabolic, immune, epithelial and microbial crosstalk", Research Society of Alcoholism, Minneapolis, MN
- Jul, 2019 "If you build it: _The non-traditional path of a fatty liver physician-scientist", Bryn Mawr, PA
- Jul, 2019 "Ceramides and lipid droplet biology in experimental alcoholic liver disease", Gordon Research Conference, Waterville Valley, NH
- Sep, 2019 "Linking Ceramides with Insulin Resistance in ALD (and NAFLD) pathogenesis", Genesis Biotech, Hamilton Township, NJ
- Oct, 2019 CME: "Ascites Management in a Cirrhotic Patient", Texas Health, Dallas, TX
- Nov, 2019 "A Day in the life of a translational researcher", AASLD, Boston, MA
- Nov, 2019 "Ceramides as regulators of insulin resistance and lipophagy in alcoholic liver disease", Alcohol and Immunology Research Interest Group, Boston, MA
- Nov, 2019 "CME: Hot Topics in NASH: Weight Management in NAFLD/NASH", AGA, Endocrine Society and CCO Live, Webinar, Philadelphia, PA

- Nov, 2019 "Ceramide as regulators of insulin resistance and lipophagy in alcoholic liver disease", Society for Leukocyte Biology, Alcohol and Immunology Research Group, Boston, MA
- Dec, 2019 "Ceramide, Insulin Resistance, and Lipid Droplet Biology", Rutgers Center for Lipid Research at the Institute for Food, Nutrition, and Health, Rutgers University, New Brunswick, NJ
- Dec, 2019 "Ceramide, insulin resistance and lipid droplet biology in hepatic steatotic diseases", Rutgers Center for Lipid Research, Rutgers University, New Brunswick, NJ
- Dec, 2019 "Ceramide, insulin resistance and lipid droplet biology", Rutgers Center for Lipid Research, Rutgers, NJ
- Feb, 2020 "Ceramide and lipid droplet biology: Connecting the dots.", Kansas State University Research Conference, Kansas City, KS
- Feb, 2020 "NAFLD in 2020", Howard Department of Medicine Grand Rounds, Washington, DC
- Apr, 2020 "Lipid crosstalk in fatty liver disease", Experimental Biology, San Diego, CA
- Jun, 2020 (canceled due to Covid-19)
"The Emergence of Sphingolipids in Alcoholic Liver Disease Pathogenesis", Annual RSA Scientific Meeting, New Orleans, LA
- Aug, 2020 (canceled due to Covid-19)
2020 FASEB Science Research Conference, "Liver Biology: Fundamental Mechanisms & Translational Applications" Astor Crowne Plaza, New Orleans, LA
- Sep, 2020 (canceled due to Covid-19)
"Perilipin Proteins and Fatty Liver Disease", Southeast Lipid Research Conference, University of Kentucky, Lexington, KY
- Sep, 2020 (canceled due to Covid-19)
"NAFLD in 2020", Johns Hopkins Grand Rounds, Baltimore, MD (virtual, Zoom)
- Oct, 2020 "Acid ceramidase overexpression improves alcoholic steatosis and insulin resistance by regulating lipophagy", American Society for Biochemistry and Molecular Biology (ASBMB), Virtual Seminar Series (virtual, Zoom)
- Nov, 2020 Sphingolipids: Liver and Heart Crosstalk, American Heart Association, Dallas, TX
- Dec, 2020 (canceled due to Covid-19)
"New insights on NAFLD pathogenesis: the role of lipids", Pittsburgh University Grand Rounds, Pittsburgh, PA (virtual, Zoom)
- Jan, 2021 Centering Lipid Droplets in Alcoholic Liver Disease (ALD),

University of Washington Gastroenterology Grand Rounds, Seattle, WA
 Feb, 2021 Centering Lipid Droplets in Alcoholic and Non-alcoholic Fatty Liver Diseases, University of Chicago Grand Rounds, Chicago, IL

Organizing Roles in Scientific Meetings:

Feb, 2013 "Host genetic and environmental factors associated with obesity and related metabolic disease" Joint UPenn/CHOP symposium with the Nutrition Center, Moderator
 Children's Hospital of Philadelphia
 2013 Chair, Diversity Symposium: Promoting Diversity in Academics
 University of Pennsylvania
 2014 Co-director, AGA, Trainee Track
 Chicago, IL
 2014 Moderator, Ethnicity and Hepatitis C
 DDW, Chicago, IL
 2015 Director, AGA Trainee Track
 Washington, DC
 2015 Moderator, Career and Professional Related Issues
 DDW, Washington, DC
 2015 Symposium organizer, Ethnic and racial disparities in liver disease
 DDW, Washington, DC
 2017 Symposium organizer, Diversity Committee, DDW 2017
 Chicago, IL
 2018 Symposium organizer and Moderator, DDW 2018
 Washington, DC
 2018 Moderator, Ensuring Diversity in Gastroenterology: Practical Approaches for GI Societies, Institutions and Practices
 DDW 2018, Washington, DC
 2018 Moderator, Experimental Alcoholic Hepatitis and Fibrosis
 DDW 2018, Washington, DC
 2018 Moderator, Alcoholic Liver Disease: Clinical and Translational, AASLD 2018
 AASLD 2018, San Francisco, CA
 2020 AGA Digestive and Disease Week (DDW) Task Force, a committee charged with developing the vision for the next DDW virtual conference
 Virtual
 2021 Co-chair, Johns Hopkins DELTA Center for Alcohol Research Symposium on Alcoholic Hepatitis: Pathogenesis, Treatment and Challenge
 Virtual meeting

Grants:

Current:

Faculty Opportunity Fund, University of Pennsylvania, 7/2019-6/2024 (Rotonya Carr, MD, PI), \$62,521/annual direct costs, 20% effort (Role in grant: PI, Varying effort from 50% to 10% of academic base)

Molecular Mechanisms Of Post-Transplant Recurrent Alcoholic Liver Disease, National Institute On Alcohol Abuse And Alcoholism/Nih/Dhhs, R01AA026302-01, 9/2017-5/2022 (Rotonya M Carr, PI), \$225,000/annual direct costs, 35% effort (Role in grant: PI)

Alcoholic Tissue Injury, NIH T32 AA007463-30 , T32 AA007463-30 , 7/2017-6/2022 (Jan B. Hoek, PI), \$0/annual direct costs (Role in grant: Co-Mentor, Co-Mentor's do not have effort on T32)

University of Pennsylvania Department of Medicine, Research Fund, 1/2017-12/2022 (Rotonya M. Carr, PI), \$125,000/annual direct costs, 10% effort (Role in grant: PI, Budget to be used for tech salary and supplies. No PI salary requested)

Ceramide synthase 6 as a metabolic determinant of NASH, Merck, 7/2020-6/2021 (Rotonya Carr, MD, PI), \$108,896/annual direct costs, 5% effort (Role in grant: PI)

Past:

The role of ceramide synthase 6 in hepatic extracellular vesicle biogenesis in NAFLD, NIH Center Grant P30-DK050306, 7/2019-6/2020 (Anil Rustgi, MD, PI), \$26,667/annual direct costs, 5% effort (Role in grant: Pilot awardee, no salary support for pilot awardees)

The Regulation of Lipid Droplet Biogenesis In Alcoholic Liver Disease, National Institute On Alcohol Abuse And Alcoholism/Nih/Dhhs, 5-F32-AA-024347-03, 7/2016-6/2019 (Jason Correnti, PI), \$63,034/annual direct costs (Role in grant: Co-mentor)

Faculty Scholar Award, University of Pennsylvania, 7/2016-6/2017 (Rotonya M. Carr, PI), \$30,000/annual direct costs (Role in grant: PI, Budget to be used for tech salary and supplies)

A Phase 3, Double-Blind, Randomized, Long-Term, Placebo-Controlled, Multicenter Study Evaluating The Safety And Efficacy Of Obeticholic Acid In Subjects With Nonalcoholic Steatohepatitis Regenerate - Nash 303, Intercept Pharmaceuticals, 3/2016-2/2020 (Gary Wu, MD, PI: Rotonya Carr, MD, Co-Investigator), \$484,632/annual direct costs, 10% effort (Role in grant: Co-Investigator)

Translational Center for Endocrinology and Metabolism, Translational Center for Endocrinology and Metabolism, 7/2015-6/2018 (Mitch Lazar, MD, PI), \$14,795/annual direct costs, 5% effort (Role in grant: Co-Director, Tissue Resource)

University of Pennsylvania Gene Therapy Program, University of Pennsylvania, 6/2015-6/2018 (Marina Cuchel, PI), \$10/annual direct costs, 10% effort (Role in grant: Sponsor)

Diabetes Research Center , University of Pennsylvania Diabetes Research Center, P30DK019525, 4/2015-3/2017 (Rotonya Carr, PI), \$40,000/annual direct costs, 1% effort (Role in grant: Pilot Awardee, Budget to be used for supplies (Pilot); no PI salary requested)

Institutional Clinical and Translational Science Award, NIH, 5KL2TR000139-09, 9/2014-6/2015 (Rotonya Carr, PI), \$25,000/annual direct costs (Role in grant: PI)

The Pathogenesis Of Insulin Resistance In Alcoholic Liver Disease, National Institute On Alcohol Abuse And Alcoholism/Nih/Dhhs, 5-K08-AA-021424-03, 6/2013-5/2018 (Rotonya M Carr, MD, PI), \$0/annual direct costs, 53% effort (Role in grant: PI)

Center Of Excellence For Diversity In Health Education And Research, Health Resources & Services Administration (Hrsa), 7/2012-6/2018 (Jerry C Johnson, PI), \$648,148/annual direct costs (Role in grant: Pilot Awardee)

Center For Digestive And Liver Diseases, National Institute Of Diabetes And Digestive And Kidney Diseases/Nih/Dhhs, 5-P30-DK-050306-19, 7/2012-6/2013 (Anil K. Rustgi, MD, PI), \$0/annual direct costs (Role in grant: Pilot Awardee)

University Of Pennsylvania Diabetes Research Center, National Institute Of Diabetes And Digestive And Kidney Diseases/Nih/Dhhs, 5-P30-DK-019525-39, 5/2012-3/2016 (MITCHELL A. LAZAR, PI), \$0/annual direct costs (Role in grant: Co-PI)

Regulation of Perilipin 2 by AMPK in experimental alcoholic liver disease, Robert Wood Johnson Foundation Faculty Scholar Grant, 71586, 1/2012-12/2017 (Rotonya Carr, PI), \$93,750/annual direct costs, 10% effort (Role in grant: PI)

Bibliography:

Research Publications, peer reviewed (print or other media):

1. Wolden-Hanson T, Mitton DR, McCants RL, Yellon SM, Wilkinson CW, Matsumoto AM, Rasmussen DD: Daily melatonin administration to middle-aged male rats suppresses body weight, intraabdominal adiposity, and plasma leptin and insulin independent of food intake and total body fat. Endocrinology 141(2): 487-97, Feb 2000.
2. Carr Rotonya M, Patel Rajesh T, Rao Vandana, Dhir Ravindra, Graham Mark J, Crooke Rosanne M, Ahima Rexford S: Reduction of TIP47 improves hepatic steatosis and glucose homeostasis in mice. American journal of physiology. Regulatory, integrative and comparative physiology 302(8): R996-1003, Apr 2012. PMID: PMC3330768
3. Carr Rotonya M, Dhir Ravi, Yin Xiaoyan, Agarwal Beamon, Ahima Rexford S: Temporal effects of ethanol consumption on energy homeostasis, hepatic

- steatosis, and insulin sensitivity in mice. Alcoholism, clinical and experimental research 37(7): 1091-9, Jul 2013. PMID: PMC3657580
4. Carr Rotonya M, Peralta Giselle, Yin Xiaoyan, Ahima Rexford S: Absence of perilipin 2 prevents hepatic steatosis, glucose intolerance and ceramide accumulation in alcohol-fed mice. PloS one 9(5): e97118, May 2014. PMID: PMC4022498
 5. Carr Rotonya M, Dhir Ravindra, Mahadev Kalyankar, Comerford Megan, Chalasani Naga P, Ahima Rexford S: Perilipin Staining Distinguishes Between Steatosis and Nonalcoholic Steatohepatitis in Adults and Children. Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association 15(1): 145-147, Jan 2017. PMID: PMC5161563
 6. Carr Rotonya M, Patel Arpan, Bownik Hillary, Oranu Amanke, Kerner Caroline, Praetgaard Amy, Forde Kimberly A, Reddy K Rajender, Lichtenstein Gary R: Intestinal Inflammation Does Not Predict Nonalcoholic Fatty Liver Disease Severity in Inflammatory Bowel Disease Patients. Digestive diseases and sciences 62(5): 1354-1361, May 2017.
 7. Williams Bianca, Correnti Jason, Oranu Amanke, Lin Annie, Scott Victoria, Annoh Maxine, Beck James, Furth Emma, Mitchell Victoria, Senkal Can E, Obeid Lina, Carr Rotonya M: A novel role for ceramide synthase 6 in mouse and human alcoholic steatosis. FASEB journal : official publication of the Federation of American Societies for Experimental Biology 32(1): 130-142, Jan 2018. PMID: PMC5731793
 8. Ogdie Alexis, Grewal Sungat K, Noe Megan H, Shin Daniel B, Takeshita Junko, Chiesa Fuxench Zelma C, Carr Rotonya M, Gelfand Joel M: Risk of Incident Liver Disease in Patients with Psoriasis, Psoriatic Arthritis, and Rheumatoid Arthritis: A Population-Based Study. The Journal of investigative dermatology 138(4): 760-767, Apr 2018. PMID: PMC6287638
 9. Correnti Jason M, Gottshall Lauren, Lin Annie, Williams Bianca, Oranu Amanke, Beck James, Chen Jie, Bennett Michael J, Carr Rotonya M: Ethanol and C2 ceramide activate fatty acid oxidation in human hepatoma cells. Scientific reports 8(1): 12923, Aug 2018. PMID: PMC6110824
 10. Friedman Elliot S, Li Yun, Shen Ting-Chin David, Jiang Jack, Chau Lillian, Adorini Luciano, Babakhani Farah, Edwards Jeffrey, Shapiro David, Zhao Chunyu, Carr Rotonya M, Bittinger Kyle, Li Hongzhe, Wu Gary D: FXR-Dependent Modulation of the Human Small Intestinal Microbiome by the Bile Acid Derivative Obeticholic Acid. Gastroenterology 155(6): 1741-1752.e5, Dec 2018. PMID: PMC6279623
 11. Brettschneider Jascha, Correnti Jason M, Lin Chelsea, Williams Bianca, Oranu

- Amanke, Kuriakose Amy, McIver-Jenkins Dru, Haba Abigail, Kaneza Isabelle, Jeon Sookyoung, Scorletti Eleonora, Carr Rotonya M: Rapid Lipid Droplet Isolation Protocol Using a Well-established Organelle Isolation Kit. Journal of visualized experiments : JoVE(146), Apr 2019.
12. Ferguson TF, Rosen E, Carr R, Brashear M, Simon L, Theall KP, Ronis MJ, Welsh DA, Molina PE: Associations of Liver Disease with Alcohol Use among People Living with HIV and the Role of Hepatitis C: The New Orleans Alcohol Use in HIV Study. Alcohol Alcohol 55(1): 28-36, Feb 2020 Notes: Selected for a special virtual issue in Alcohol and Alcoholism.
 13. Tong X, Dai C, Walker JT, Kennedy A, Carr R, Hasty A, Powers A, Stein R: Lipid droplet accumulation in human pancreatic islets is dependent upon both donor age and health. Diabetes 69(3): 342-54, Mar 2020.
 14. Carr RM, Quezada SM, Gangarosa LM, Cryer B, Abreu MT, Teixeira K, Springer J, Margolis P, Serena TJ, Weinstein M, Omary MB, Governing Board of the American Gastroenterological Association: From Intention to Action: Operationalizing AGA Diversity Policy to Combat Racism and Health Disparities in Gastroenterology Gastroenterology 20(5085): S0016, Jul 2020. PMID: 7388792
 15. Correnti J, Lin C, Brettschneider J, Kuriakose A, Jeon S, Scorletti E, Oranu A, McIver-Jenkins D, Kaneza I, Buyco D, Saiman Y, Furth EE, Argemi J, Bataller R, Holland WL, Carr RM: Liver-specific ceramide reduction alleviates steatosis and insulin resistance in alcohol-fed mice. J Lipid Res 7(61): 983-4, Jul 2020.
 16. Serper M, Vujkovic M, Kaplan DE, Carr RM, Lee KM, Shao Q, Miller DR, Reaven PD, Phillips LS, O'Donnell CJ, Meigs JB, Wilson PWF, Vickers-Smith R, Kranzler HR, Justice AC, Gaziano JM, Muralidhar S, Pyarajan S, DuVall SL, Assimes TL, Lee JS, Tsao PS, Rader DJ, Damrauer SM, Lynch JA, Saleheen D, Voight BF, Chang KM on behalf of the VA Million Veteran Program: Validating a non-invasive, ALT-based non-alcoholic fatty liver phenotype in the million veteran program. PloS One 8(15): e0237430, Aug 2020.
 17. Atoosa Rabiee, Brett Sadowski, Nia Adeniji, Veronica Nguyen, Akshata Moghe, Ponni Perumalswami, Nyann Latt, Sonal Kumar, Costica Aloman, Andreea M. Catana, Rotonya M. Carr, Kenneth Chavin, Renumathy Dhanasekaran, COLD Consortium: Liver Injury in Liver Transplant Recipients with Coronavirus Disease 2019 (COVID-19): US Multicenter Experience Hepatology Sept 2020 Notes: <https://doi.org/10.1002/hep.31574>epub ahead of print; published as a rapid communication, high priority paper.
 18. Donghee Kim, Nia Adeniji, Nyann Latt, Sonal Kumar, Patricia Bloom, Elizabeth Aby, Ponni Perumalswami, Marina Roytman, Kathleen Viveiros, Andrea Catana, Kara Wegermann, Rotonya M. Carr, Costica Aloman, Vincent Chen, Atoosa

- Rabiee, Brett Sadowski, Veronica Nguyen, Winston Dunn, Kenneth Chavin, Kali Zhou, Blanca Lizaola-Mayo, Jose Debes, Andrea branch, Walter Chan, Paul Kwo, Renumathy Dhanasekaran: Predictors of Outcomes of COVID-19 in Patients with Chronic Liver Disease: US Multi-center Study. Clinical Gastroenterology and Hepatology Sept 2020.
19. Matthew T MacLean, Qasim Jehangir, View ORCID ProfileMarijana Vujkovic, Yi-An Ko, Harold Litt, Arijitt Borthakur, Hersh Sagreiya, Mark Rosen, David Mankoff, Mitchell Schnall, Haochang Shou, Julio Chirinos, Scott M. Damrauer, Drew Torigian, Rotonya Carr, Daniel Rader, Walter R Witschey: Quantification of abdominal fat from computed tomography using deep learning and its association with electronic health records in an academic biobank. MedRxiv Sept 2020 Notes: <https://doi.org/10.1101/2020.09.22.20199844>.
 20. Rotonya M. Carr: Reflections of a Black woman physician-scientist. JCI Sept 2020.
 21. Nia Adeniji, M. Eng, Rotonya M. Carr, M.D., Elizabeth S. Aby, M.D., Andreea M. Catana, M.D., Kara Wegermann, M.D., Renumathy Dhanasekaran, M.: Socioeconomic Factors Contribute to the Higher Risk of COVID-19 in Racial and Ethnic Minorities with Chronic Liver Disease. Gastroenterology Nov 2020 Notes: Accepted; epub ahead of publication.
 22. Matthew T. MacLean, Qasim Jehangir, Marijana Vujkovic, Yi-An Ko, Harold Litt, Arijitt Borthakur, Hersh Sagraiya, Mark Rosen, David A. Mankoff, Mitchell D. Schnall, Haochang Shou, Julio Chirinos, Scott M. Damrauer, Drew A. Torigian, Rotonya Carr, Daniel J. Rader, Walter R. Witschey: Quantification of abdominal fat from computed tomography using deep learning and its association with electronic health records in an academic biobank Journal of the American Medical Informatics Association Dec 2020 Notes: epub ahead of press.
 23. Marijana Vujkovic, Shweta Ramdas, Kimberly M. Lorenz, Carolin V. Schneider, Joseph Park, Kyung M. Lee, Marina Serper, Rotonya M. Carr, David E. Kaplan, Mary E. Haas, Matthew T. MacLean, Walter R. Witschey, Xiang Zhu, Catherine Tcheandjieu, Rachel L. Kember, Henry R. Kranzler, Anurag Verma, Ayush Giri, Derek M. Klarin, Yan V. Sun, Jie Huang, Jennifer Huffman, Kate Townsend Creasy, Nicholas J. Hand, Ching-Ti Liu, Michelle T. Long, Jerome I. Rotter, Xiuqing Guo, Jie Yao, Matthew Budoff, Katherine A. Ryan, Braxton D. Mitchell, Dipender Gill, Andrew D. Wells, Elisabetta Manduchi, Yedidya Saiman, Nadim Mahmud, Donald R. Miller, Peter D. Reaven, Laurence S. Phillips, Sumitra Muralidhar, Scott L. DuVall, Jennifer S. Lee, Themistocles L. Assimes, Saiju Pyarajan, Kelly Cho, Todd L. Edwards, Scott M. Damrauer, Peter W. Wilson, John M. Gaziano, Christopher J. O'Donnell, Amit V. Khera, Struan F.A. Grant, Christopher D. Brown, Philip S. Tsao, Danish Saleheen, James B. Meigs, Julie A. Lynch, Daniel J. Rader, Benjamin F. Voight, Kyong-Mi Chang: A genome-wide association study for nonalcoholic fatty liver disease identifies novel genetic loci and trait-relevant candidate genes in the Million Veteran Program. MedRxiv Jan

2021.

24. Robert Mitrani, Taisa Kohut, Jennifer Panganiban, and Rotonya Carr: Transition of Care Model for Pediatric NAFLD Patients. Clinical Liver Disease Jan 2021
Notes: Accepted.
25. Efe C, Dhanasekaran R, Lammert C, Ebi B, Higuera-de la Tijera F, Aloman C, CalÄ±Äkan AR, Peralta M, Gerussi A, Massoumi H, Catana AM, Torgutalp M, Purnak T, Rigamonti C, Aldana AJG, Khakoo N, Kacmaz H, Nazal L, Frager S, Demir N, Irak K, Ellik ZM, Balaban Y, Atay K, Eren F, Cristoferi L, BatÄ±bay E, Urzua A, Snijders R, KÄ±yÄ±cÄ± M, AkyÄ±ldÄ±z M, Ekin N, Carr RM, HarputoÄlu M, Hatemi I, Mendizabal M, Silva M, Idilman R, Silveira M, Drenth JPH, Assis DN, Björnsson E, Boyer JL, Invernizzi P, Levy C, Schiano TD, Ridruejo E, Wahlin S: Outcome of COVID-19 in Patients with Autoimmune Hepatitis: an International Multi-Centre Study. Hepatology Mar 2021.
26. Pazoki R, Vujkovic M, Elliott J, Evangelou E, Gill D, Ghanbari M, van der Most PJ, Pinto RC, Wielscher M, Farlik M, Zuber V, de Knegt RJ, Snieder H, Uitterlinden AG; Lifelines Cohort Study, Lynch JA, Jiang X, Said S, Kaplan DE, Lee KM, Serper M, Carr RM, Tsao PS, Atkinson SR, Dehghan A, Tzoulaki I, Ikram MA, Herzig KH, Järvelin MR, Alizadeh BZ, O'Donnell CJ, Saleheen D, Voight BF, Chang KM, Thursz MR, Elliott P; VA Million Veteran Program. Genetic analysis in European ancestry individuals identifies 517 loci associated with liver enzymes. Nat Commun. 2021 May 10;12(1):2579.: VA Million Veteran Program. Genetic analysis in European ancestry individuals identifies 517 loci associated with liver enzymes. Nat Communications 12(1): 2579, May 2021. PMID: 8110798

Research Publications, peer-reviewed reviews:

1. Carr RM, Mohrman L, Arelli V, Masters E: Update on Cause and Management of Catscratch Disease. Infections in Medicine 25(5): 242-250, 2008 Notes: <http://infections.consultantlive.com/display/article/1145625/1404397>.
2. Carr Rotonya M, Reid Andrea E: FXR agonists as therapeutic agents for non-alcoholic fatty liver disease. Current atherosclerosis reports 17(4): 500, Apr 2015.
3. Carr Rotonya M, Correnti Jason: Insulin resistance in clinical and experimental alcoholic liver disease. Annals of the New York Academy of Sciences 1353: 1-20, Sep 2015. PMID: PMC4623941
4. Carr Rotonya M, Ahima Rexford S: Pathophysiology of lipid droplet proteins in liver diseases. Experimental cell research 340(2): 187-92, Jan 2016. PMID: PMC4744586
5. Carr Rotonya M, Oranu Amanke, Khungar Vandana: Nonalcoholic Fatty Liver Disease: Pathophysiology and Management. Gastroenterology clinics of North

America 45(4): 639-652, Dec 2016. PMID: PMC5127277

6. Pickett-Blakely Octavia, Young Kimberly, Carr Rotonya M: Micronutrients in Nonalcoholic Fatty Liver Disease Pathogenesis. Cellular and molecular gastroenterology and hepatology 6(4): 451-462, Aug 2018. PMID: PMC6170520
7. Carethers John M, Quezada Sandra M, Carr Rotonya M, Day Lukejohn W: Diversity Within US Gastroenterology Physician Practices: The Pipeline, Cultural Competencies, and Gastroenterology Societies Approaches. Gastroenterology 156(4): 829-833, Mar 2019. PMID: PMC6453700
8. Agbim Uchenna, Carr Rotonya M, Pickett-Blakely Octavia, Dagogo-Jack Sam: Ethnic Disparities in Adiposity: Focus on Non-alcoholic Fatty Liver Disease, Visceral, and Generalized Obesity. Current obesity reports 8(3): 243-254, Sep 2019. PMID: PMC6662200
9. Jeon S, Carr R: Alcohol effects on hepatic lipid metabolism. J Lipid Res 61(4): 470-79, Apr 2020.
10. McMahan RH, Afshar M, Amedee AM, Bishehsari F, Carr RM, Coleman LG Jr, Herrnreiter CJ, Lewis SL, Mandrekar P, McCullough RL, Morris NL, Vasiliou V, Wang HJ, Yeligar SM, Choudhry MA, Kovacs EJ: Summary of the 2019 Alcohol and Immunology Research Interest Group (AIRIG) meeting: Alcohol-mediated mechanisms of multiple organ injury. Alcohol 87(04.008): 89-95, Apr 2020.
11. Sookyoung Jeon and Rotonya Carr: Alcohol Effects on Lipid Metabolism. Journal of Biological Chemistry Virtual Issues: An Annual Meeting in Absentia April 2020 Notes: Virtual Issue.
12. Yedidya Saiman, Royce Hooks, Rotonya Carr: High-Risk Groups for Non-alcoholic Fatty Liver and Non-alcoholic Steatohepatitis Development and Progression. Current Hepatology Reports Sept 2020 Notes: epub ahead of print.
13. Delfin Gerard Buyco, Jasmin Martin, Sookyoung Jeon, Royce Hooks, Chelsea Lin, Rotonya M Carr: Experimental models of metabolic and alcoholic fatty liver disease. World Journal of Gastroenterology 27(1), Jan 2021. PMID: 7789066

Research Publications, non-peer reviewed:

1. MacLean MT, Jehangir Q, Vujkovic M, Ko YA, Litt H, Borthakur A, Segreiya H, Rosen M, Mankoff DA, Schnall MD, Shou H, Chirinos J, Damrauer SM, Torigian DA, Carr R, Rader DJ, Witschey WR: Linking abdominal imaging traits to electronic health record phenotypes. MedRxiv Sept 2020 Notes: accepted, doi 10.1101/2020.09.08.20190330.

Abstracts:

1. Carr RM, Patel R, Rao V, Graham M, Crooke R, and Ahima R: Reduction of TIP47 improves hepatic steatosis and glucose homeostasis in diet-induced obese mice. The European Association for the Study of the Liver 2011 Notes: Poster.
2. Carr RM, Patel A, Kerner C, Tierney A, Forde K, and Lichtenstein G.: Metabolic syndrome and IBD severity may increase risk of NAFLD. Digestive Disease Week 2013 Notes: Poster.
3. Carr RM, Patel A, Kerner C, Tierney A, Forde K, and Lichtenstein G.: Metabolic syndrome, but not IBD severity, increases risk of NAFLD severity in patients with dual diagnosis of IBD and NAFLD. American Association for the Study of Liver Diseases (AASLD) 2013 Notes: Poster.
4. McConnell R, Carr RM.: Headache with Hematochezia: A Case of Sumatriptan-Induced Ischemic Colitis Digestive Disease Week 2013 Notes: Poster.
5. Roland Li, Ann Tierney, and Rotonya Carr: The Impact of Peri-Discharge Interventions on 30-day Readmission and 90-day Mortality Rates for Patients Admitted with Hepatic Encephalopathy. ACG National Meeting 2014 2014 Notes: Poster.
6. Carr RM, Kalyankar M, Dhir R, Comerford M, Chalasani N, and Ahima RS: Differential expression of PLIN1 and PLIN2 in fatty liver diseases in adults and children Institute of Diabetes, Obesity and Metabolism (UPenn) 2015 Notes: Poster.
7. Correnti, J; Williams, B; Gottshall, L; and Carr, RM.: Oleate, palmitate and C2 ceramide differentially impact lipid oxidation and trafficking in alcohol-treated human hepatoma cells. Gordon conference 2015 Notes: Poster.
8. Williams B, Correnti J, Carr RM. : Ceramide Synthase May Regulate Hepatic Perilipin 2 and Lipid Metabolism in Experimental Alcoholic Steatosis. AASLD Conference 2015 Notes: Poster.
9. Oranu,A; Lin,A.; Williams, B; Correnti,J; Beck,J; and Carr,RM: Absence of Perilipin 2 prevents the increase of long-chain ceramides in the lipid droplet fractions of alcohol-fed mice Hepatology 64(S1), Oct 2016 Notes: Poster.
10. Williams,B; Correnti,J, Oranu,A; Lin,A; Beck, J. and Carr, RM: Ceramide Synthase May Regulate Hepatic Perilipin 2 and Lipid Metabolism in Experimental Alcoholic Steatosis. FASEB Lipid Droplets: Dynamic Organelles in Metabolism and Beyond Conference 2016 Notes: Poster.
11. Amanke Oranu, MD, Victoria Mitchell, Victoria Scott, Bianca Williams, Jason Correnti, Ph.D., and Rotonya Carr, M.D.: Chronic alcohol consumption upregulates ceramide synthase 6 in hepatic lipid droplets and zone 3 hepatocytes

- of mice and humans AASLD 2017 2017 Notes: poster.
12. Oranu, A; Williams, B; Correnti, J; Scott, V; Mitchell, V.; and Carr, RM: Absence of Perilipin 2 prevents the increase of long-chain ceramides in the lipid droplet fractions of alcohol-fed mice. Gordon Research Conference 2017 Notes: Oral.
 13. Roland Li, MD; Marina Serper, MD, MS; Vandana Khungar, MD, MSc; Amy Praestgaard, MS and Rotonya M. Carr, MD: Impact of race/ethnicity and primary admission diagnosis on readmission and mortality rates among patients hospitalized with hepatic encephalopathy AASLD 2017 2017 Notes: poster.
 14. Chandramouleeswaran PM, Whelan KA, Engel N, Correnti J, Tanaka K, Srinivasan S, Guha M, Carr R, Klein-Szanto AJ, Kalyanaraman B, Chen CH, Mochly-Rosen D, Avadhani NG, Nakagawa H: ALDH2 restricts esophageal stem/progenitor cell expansion via autophagy under alcohol-induced mitochondrial stress. American Association for Cancer Research 78(13), Jul 2018 Notes: Poster presentation.
 15. J.M. Correnti; C. Lin; J. Brettschneider; A. Oranu; V. Scott; V. Mitchell; A. Kuriakose; A. Haba; D. McIver-Jenkins; W. Holland; R.M. Carr: Liver-specific long-chain ceramide reduction improves hepatic steatosis and insulin resistance in alcohol-fed female mice AASLD 2018 2018 Notes: Oral presentation.
 16. Serper M*, Vujkovic M*, Kaplan DE, Carr R, Lee K, Shao Q, Miller D, Huang J, Reaven PD, Phillips LS, O'Donnell CJ, Meigs JB, Wilson PWF, Smith R, Kranzler H, Justice A, Gaziano M, Concato J, Muralidhar S, DuVall SL, Cho K, Assimes TL, Lee JS, Tsao P, Damrauer S, Rader D, Lynch J, Saleheen D, Chang KM: Validation of Established Genetic Loci for Non-Alcoholic Fatty Liver Disease (NAFLD) and Their Contribution to NAFLD Phenotype in 194,457 Individuals Enrolled in the Million Veteran Program. AASLD 2018 Notes: Poster presentation.
 17. TF Ferguson, R Carr, MJ Ronis, L Simon, MM Brashear, RW Siggins, DA Welsh, PE Molina : Increased burden of liver disease in people living with HIV: hazardous alcohol use Research Society on Alcoholism 2018 Notes: Poster presentation.
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