

CURRICULUM VITAE

Daisy Sahoo PhD

Dean, Professor
Department of Medicine
Division of Endocrinology

OFFICE ADDRESS:

Hub for Collaborative Medicine
8701 Watertown Plank Road
Milwaukee, WI 53226

EDUCATION:

09/1991 - 04/1995 B.Sc., University of Ottawa, Ottawa, ON
01/1995 - 09/2000 Ph.D., University of Alberta, Edmonton, AB

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

10/2000 - 06/2002 Postdoctoral Fellow, Cell Biology/Pediatrics, University of Alberta, Edmonton, Alberta, Canada
07/2002 - 02/2005 Postdoctoral Research Associate, Pharmacology, Stony Brook University, Stony Brook, NY
02/2013 12th Annual FRET Workshop at the W.M. Keck Center for Cellular Imaging (5-day workshop)
10/2013 - 03/2014 MCW/UWM Leadership Academy
07/2016 - 04/2017 The Hedwig van Ameringen Executive Leadership in Academic Medicine (ELAM) program
11/2017 Fellow, American Heart Association

FACULTY APPOINTMENTS:

02/2005 - 01/2007 Research Instructor, Stony Brook University, Stony Brook, NY
02/2007 - 02/2013 Assistant Professor, Medicine, Endocrinology, Metabolism & Clinical Nutrition, Medical College of Wisconsin, Milwaukee, WI
02/2007 - Present Member, Cardiovascular Research Center
10/2007 - 06/2013 Assistant Professor (Secondary appointment), Pharmacology & Toxicology, Medical College of Wisconsin, Milwaukee, WI
09/2012 - 06/2013 Assistant Professor (Secondary Appointment), Biochemistry, Medical College of Wisconsin, Milwaukee, WI
07/2013 - Present Associate Professor, Medicine, Endocrinology, Metabolism & Clinical Nutrition, Medical College of Wisconsin, Milwaukee, WI
07/2018 - Present Professor with Tenure, Department of Medicine (Division of Endocrinology and Molecular Medicine), Department of Biochemistry (secondary appointment), Department of Pharmacology & Toxicology (secondary appointment), Medical College of Wisconsin, Milwaukee, WI

ADMINISTRATIVE APPOINTMENTS:

09/2014 - Present Vice Chair for Research, Medicine, Medical College of Wisconsin, Milwaukee, WI
01/2022 - Present Associate Director, Chicago Diabetes Research and Training Center, Enrichment Program, University of Chicago, Chicago, IL

AWARDS AND HONORS:

1991 University of Ottawa Merit Scholarship
1991 Canada Scholarship, Government of Canada
1996 Bristol-Myers Squibb Young Scientist Award, Oral Presentation, Canadian Lipoprotein Conference

1996 75th Anniversary Graduate Student Award, Faculty of Medicine and Oral Health Sciences
1997 Walter Johns Tuition Scholarship, University of Alberta
1997 Studentship Award, Medical Research Council
1998 Graduate Student Poster Award, Canadian Society for Biochemistry, Molecular and Cell Biology Conference
1998 Walter Johns Tuition Scholarship, University of Alberta
1998 Roche/Novartis Trainee Poster Award, Canadian Lipoprotein Conference
1998 Studentship Award, Alberta Heritage Foundation for Medical Research
1999 Walter Johns Tuition Scholarship, University of Alberta
2000 Celebration of Teaching and Excellence Award, University of Alberta
2003 American Heart Association Fellowship, American Heart Association
2004 Postdoctoral Oral Presentation Award, Canadian Lipoprotein Conference
2012 Faculty Service Pin, Research Affairs, Medical College of Wisconsin
2013 Department of Medicine McCarty Award for Research Excellence
2013 Faculty Service Pin, Women's Faculty Council, Medical College of Wisconsin
2016 MCW Outstanding Medical Student Teacher
2017 ATVB Special Recognition Award in Vascular Biology
2019 Society for Research Excellence, Medical College of Wisconsin
2019 MCW Outstanding Graduate School Educator
2019 MCW Outstanding Medical Student Teacher
2020 Richard G. Olds Award for Outstanding Mentorship, Department of Medicine, Medical College of Wisconsin
2020 Outstanding Medical Student Teacher (M1), Medical College of Wisconsin
2021 Women in Science Pioneer in Research Award, Medical College of Wisconsin
2022 ATVB Outstanding Mentorship of Women Award, American Heart Association

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

1997 - 2000 Canadian Society for Biochemistry and Molecular Cell Biology
2004 - 2006 New York Academy of Sciences
2007 - Present Science Advisory Board
2007 - Present American Heart Association
2007 - Present ATVB Council of American Heart Association
2020 - Present American Society for Biochemistry and Molecular Biology (ASBMB)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Editorial Board

01/2017 - Present Associate Editor, Biochemistry and Cell Biology
12/2020 - Present Review Editor, Frontiers in Cardiovascular Medicine (Atherosclerosis and Vascular Medicine section)
02/2021 - Present Associate Editor, Frontiers in Cardiovascular Medicine (Lipidology section)
10/2021 - Present Vascular Pharmacology

Journal Review

08/2007 - Present Biochemistry and Cell Biology
12/2007 - Present Journal of Membrane Biology
04/2010 - Present Biochemistry
04/2010 - Present Biochimica Biophysica Acta - Molecular and Cell Biology of Lipids
02/2013 - Present Arteriosclerosis, Thrombosis and Vascular Biology (ATVB)
05/2013 - Present Journal of Lipid Research
01/2015 - Present PLoS One
05/2015 - Present DNA and Cell Biology
05/2015 - Present Protein Science
11/2015 - Present BMC Research Notes
07/2016 - Present Physiological Genomics
03/2017 - Present BMC Molecular Biology
07/2017 - Present Nitric Oxide
05/2018 - Present Lipids
10/2018 - Present Computational and Structural Biotechnology Journal

05/2019 - Present American Journal of Physiology: Regulatory, Integrative and Comparative Physiology
 08/2019 - Present Circulation Research
 11/2019 - Present Journal of Molecular Medicine
 05/2020 Communications Biology (Nature Group)
 08/2020 Advances in Medicine
 10/2020 - Present Annals in Translational Medicine
 02/2021 - Present Frontiers in Cardiovascular Medicine
 05/2021 - Present Journal of International Medical Research
 08/2021 - Present Redox Biology
 08/2021 - Present Molecular Medicine
 05/2022 - Present American Physiological Society
 05/2022 - Present Translational Research
 06/2022 - Present Atherosclerosis

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

2007 - 2008 Member, Peer Review Committee, Phillip Morris Research Management Group
 2009 - Present Member, Peer Review Committee (Lipoprotein & Lipid Metabolism, Lipids Clinical/Translational, and Lipids 2 Basic Science, Lipids 3 Basic Science), Peer Review Committee, American Heart Association, National Center
 2009 Member, Peer Review Committee, American Heart Association, National Center (Lipoprotein & Lipid Metabolism & Nutrition)
 07/2010 - 12/2012 Member, Early Career Committee, Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Council of the American Heart Association
 07/2010 - 06/2012 Member, Women's Leadership Committee (as a liaison of the ATVB Early Career Committee), Women's Leadership Committee
 2010 Ad-hoc Reviewer, National Science Foundation
 07/2011 - 06/2015 Member, Communication and Membership Committee, Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Council of the American Heart Association
 2011 - 2012 Judge, Early Career Investigator Awards, ATVB
 07/2012 - 06/2018 Member, Women's Leadership Committee, Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Council of the American Heart Association
 2012 - Present Ad-hoc Reviewer, Atherosclerosis and Inflammation of the Cardiovascular System (AICS) Study section, NIH
 2012 - 2018 Judge, ATVB Junior Women Investigator Award (poster competition at the ATVB meeting), American Heart Association
 2012 - Present Ad-hoc Reviewer, Vascular Cell and Molecular Biology (VCMB) Study section, NIH
 2012 - Present Judge, Junior Women Investigator Award, ATVB (poster competition at the ATVB meeting)
 07/2014 - 06/2016 Member, Leadership Committee, Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Council of the American Heart Association
 07/2014 - 06/2016 Member, Nominating & Awards Committee, Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Council of the American Heart Association
 07/2014 - 06/2016 Chair, Women's Leadership Committee, Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Council of the American Heart Association
 12/2014 - 11/2017 Member, Scientific Sessions Program (CSSP) Committee, Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Council of the American Heart Association
 2014 - Present Abstract Reviewer, ATVB Meeting, ATVB
 2014 - 2015 Program Project Review Committee HLBP 1 Workgroup 019 (Program project grant), National Heart, Lung and Blood Institute
 2014 - Present Abstract Reviewer, AHA Scientific Sessions
 2015 Moderator, George L. Duff Memorial Lecture: Lipids, Lipid Mediators and Lipoprotein Metabolism session, AHA Scientific Sessions
 2015 - Present Reviewer, Institute for Precision Cardiovascular Medicine Standing Review Panel (formerly known as Cardiovascular Genome-Phenome Study HDL Discovery Grant review panel), American Heart Association
 07/2016 - 06/2018 Past Chair, Women's Leadership Committee, Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Council of the American Heart Association
 2016 - Present Special Emphasis Panel/Scientific Review Group 2016/10 ZRG1 VHN(02)M

2016 - Present Permanent Member, Program Project Parent Committee HLBP 1 Workgroup 019 (Program project grants), National Heart, Lung and Blood Institute's (NHLBI)
 05/06/2017 - 05/07/2017 Chair and Organizer, 7th Annual HDL Workshop
 05/06/2017 - 05/07/2017 Chair and Co-Organizer, 7th Annual HDL Workshop
 07/2017 - 06/2019 Member, ATVB Irvine H. Page Young Investigator Award Selection Committee, ATVB Council of the American Heart Association, American Heart Association
 2017 Ad-hoc reviewer, Netherlands Heart Foundation
 2017 Ad-hoc reviewer, Austrian Science Foundation
 07/2018 - 06/2024 Member, ATVB Irvine H. Page Young Investigator Award Selection Committee, ATVB Council of the American Heart Association
 2018 Moderator, HDL session, Gordon Research Conference on Lipoprotein Metabolism
 2018 Reviewer, Fellowships, Lipids & Thrombosis Peer Review Committee, American Heart Association
 07/15/2019 - 07/18/2019 Member, Organizing Committee, Vasculata 2019
 07/15/2019 - 07/18/2019 Member, Organizing Committee, Vasculata
 2019 Abstract Reviewer, AHA Scientific Sessions
 2019 Reviewer, Career Development Awards, Organ Basic Sciences, American Heart Association
 07/2020 - 07/2022 Chair, ATVB Irvine H. Page Early Career Faculty Award Selection Committee, ATVB Council of the American Heart Association
 07/2020 - 06/2022 Member, Leadership Committee, Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Council of the American Heart Association
 07/2020 - 06/2022 Liaison, ATVB Vascular Discovery Program Committee, ATVB Vascular Discovery Program Committee, Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Council of the American Heart Association
 2020 - Present Member, Organizing Committee, Chicago Diabetes Day
 2020 Co-Vice Chair, Co-Chair of "Power Hour" Session, Gordon Research Conference (Lipoprotein Metabolism)
 2022 Co-Chair, Gordon Research Conference (Lipoprotein Metabolism)
 2022 Moderator, Gordon Research conference (Lipoprotein Metabolism)
 2023 Co-Organizer, Power Hour, Gordon Research Conference on Atherosclerosis

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	The Selective Uptake and Hydrolysis of Cholesteryl Ester by SR-BI
Source:	NIH (R01HL058012) - Renewal
Role & Effort:	Principal Investigator
PI:	Daisy Sahoo, PhD
Dates:	08/15/2015 - 03/31/2024
Direct Funds:	\$1,000,000 (A1 submission = 17th percentile (payline is 16th percentile))
Title:	SR-BI and PCPE2: Novel partners in bidirectional cholesterol transport
Source:	NIH (R01HL138907-01)
Role & Effort:	Principal Investigator (MPI with M. Sorci-Thomas)
Dates:	09/01/2018 - 06/30/2022
Title:	Women in Science Pioneer in Research Award
Source:	Advancement for Women in Science and Medicine
Role & Effort:	Principal Investigator
Dates:	2021 - Present
Direct Funds:	\$10,000

Title: Investigating the novel roles of FFAR4 in foam cell formation and atherosclerosis
Source: American Heart Association Predoctoral Fellowship
Role & Effort: Dissertation Mentor for Gage Stuttgen
Dates: 01/01/2022 - 12/31/2023
Direct Funds: \$32,553 (per year)

Title: Non-nutritive sweeteners and drug transport at the placenta
Source: American Heart Association Predoctoral Fellowship
Role & Effort: Co-Mentor for Laura Danner/Sponsor on application
Dates: 01/01/2022 - 12/31/2023
Direct Funds: \$32,553 (per year)

Title: The role of hepatocyte tPA in hepatic VLDL production
Source: NIH (R01HL163516-01)
Role & Effort: Co-Investigator
PI: Principal Investigator
Dates: 04/01/2022 - 03/31/2027
Direct Funds: \$473,043 (Year 1 direct costs)

Title: Investigating the novel roles of FFAR4 in foam cell formation and atherosclerosis
Source: MCW Center for Immunology
Role & Effort: Mentor
Dates: 10/01/2022 - 10/31/2023
Direct Funds: \$10,000 (total for 6 months)

Title: Macrophage mitochondrial ROS disrupt cholesterol metabolism during atherosclerosis
Source: Advancing a Healthier Wisconsin
Role & Effort: Co-Investigator
Dates: 01/01/2023 - 12/31/2023
Direct Funds: \$50,000

Title: Diabetes Research and Training Center (University of Chicago)
Source: 2P30DK020595-46
Role & Effort: Co-Investigator and Site PI (PI: Raghu Mirmira and Graeme Bell)
Dates: 04/01/2023 - 03/31/2028

Pending
Peer Review

Title: Adiposity distribution and microRNAs in obesity pathogenesis
Source: NIH R01
Role & Effort: Co-Investigator

PI: Kidambi, S.)
Dates: 07/01/2018 - 06/30/2023

Title: Understanding oxidized HDL's role in atherogenesis
Source: American Heart Association
Role & Effort: Principal Investigator
PI: Sahoo, D.
Dates: 07/01/2018 - 06/30/2020

Title: Regulation of cholesterol transport in adipocytes by SR-BI and PCPE2
Source: Ruth L. Kirschstein Predoctoral Individual National Research Service Award (F31), NIH
Role & Effort: Dissertation Mentor
Dates: 04/01/2020 - 03/31/2024

Title: Regulation of cholesterol transport in adipocytes by SR-BI and PCPE2
Source: Ruth L. Kirschstein Predoctoral Individual National Research Service Award (F31), NIH
Role & Effort: Dissertation Mentor
PI: Trainee: Darcy Knaack
Dates: 04/01/2020 - 03/31/2023

Title: Identification of structural features of SR-BI that facilitate HDL-cholesterol clearance
Source: Ruth L. Kirschstein Predoctoral Individual National Research Service Award (F30), NIH
Role & Effort: Dissertation Mentor
Dates: 07/01/2020 - 06/30/2023

Title: Identification of structural features of SR-BI that facilitate HDL-cholesterol clearance
Source: Ruth L. Kirschstein Predoctoral Individual National Research Service Award (F30), NIH
Role & Effort: Dissertation Mentor
Dates: 07/01/2020 - 06/30/2023

Title: SR-BI-mediated HDL-cholesterol transport
Source: NIH (R01HL154540) - *** This is the "A2" version of HL058012
Role & Effort: Principal Investigator
PI: Daisy Sahoo, PhD
Dates: 07/01/2020 - 06/30/2024

Title: Inhibition of pulmonary inflammation by novel immunomodulators
Source: NIH R01
Role & Effort: Co-Investigator (PI: Ming You, PhD)

Dates: 07/01/2020 - 06/30/2024

Title: Understanding the pro-atherogenic effects of modified HDL

Source: NIH R01

Role & Effort: Principal Investigator

PI: Daisy Sahoo

Dates: 04/01/2021 - 03/31/2025

Title: Investigating the Novel Roles of FFAR4 in Foam Cell Formation and Atherosclerosis

Source: NIH/NHLBI

Role & Effort: Dissertation Mentor

PI: Gage Stuttgen

Dates: 07/01/2022 - 06/30/2025

Title: The Role of Modified HDL in Atherogenesis

Source: NIH/NHLBI

Role & Effort: Principal Investigator

Dates: 01/01/2024 - 12/31/2027

Prior

Peer Review

Title: The Role of SR-BI in the Uptake and Hydrolysis of Cholesteryl Ester

Source: American Heart Association

Role & Effort: Principal Investigator

Dates: 01/01/2006 - 04/14/2006

Direct Funds: \$260,000 (total for all years; had to relinquish due to NIH overlap)

Title: The Selective Uptake and Hydrolysis of Cholesteryl Ester by SR-BI

Source: NIH (R01HL058012)

Role & Effort: Principal Investigator

Dates: 04/01/2006 - 03/31/2010

Direct Funds: \$1,000,000 (total for years 1-4)

Title: The influence of the structural organization of SR-BI on selective uptake of HDL-CE

Source: American Heart Association Predoctoral Fellowship (10PRE2790023)

Role & Effort: Dissertation Mentor

PI: Trainee: Gabriella Papale

Dates: 01/01/2010 - 12/31/2011

Direct Funds: \$26,000 (Per year)

Title: The Selective Uptake and Hydrolysis of Cholesterol Ester by SR-BI

Source: NIH (R01HL058012)

Role & Effort: Principal Investigator

Dates: 04/01/2010 - 08/17/2015

Direct Funds: \$1,250,000

Title: Biophysics of HDL Dysfunction
 Source: NIH (1R01HL112270-01A1)
 Role & Effort: Co-Investigator (20% effort)
 PI: Pritchard, Kirkwood, A.
 Dates: 07/16/2012 - 06/30/2016
 Direct Funds: \$1,723,206 (total for years 1-4)

Title: Productive complex formation between SR-BI and HDL
 Source: MCW Core Facilities
 Role & Effort: Principal Investigator
 Dates: 05/01/2013 - 04/30/2014
 Direct Funds: \$3,000

Title: Interplay of gender, ethnicity and adiposity distribution on cardiovascular disease and infertility
 Source: Women's Health Research Program (MCW)
 Role & Effort: Co-Investigator (15% effort)
 PI: Kidambi, S
 Dates: 07/01/2013 - 06/30/2015
 Direct Funds: \$50,000

Title: Characterization of interactions between HDL and SR-BI
 Source: American Heart Association Predoctoral Fellowship (14PRE18580022)
 Role & Effort: Dissertation Mentor
 PI: Trainee: Alexandra Chadwick
 Dates: 01/01/2014 - 12/31/2015
 Direct Funds: \$26,000 (Per year)

Title: Visceral and Subcutaneous Adipose Tissue Characteristics Among Lean and Obese Patients with and without Diabetes Mellitus
 Source: Diabetes Research Training Center
 Role & Effort: Co-investigator
 PI: Kidambi, Sridivya
 Dates: 02/01/2014 - 01/31/2017
 Direct Funds: \$25,000

Title: Biogenesis of HDL through cholesterol efflux and apoA-I structural reorganization
 Source: NIH
 Role & Effort: Co-Investigator
 PI: Sorci-Thomas, Mary G
 Dates: 04/15/2015 - 03/31/2019
 Direct Funds: \$2,157,450 (1-4 years)

Title: Biogenesis of HDL through cholesterol efflux and apoA-I structural reorganization
 Source: NIH (1R01HL127649-01)

Role & Effort:	Co-Investigator (10% effort)
PI:	Sorci-Thomas, Mary G.
Dates:	04/15/2015 - 03/31/2019
Direct Funds:	\$2,157,450
Title:	The Selective Uptake and Hydrolysis of Cholesteryl Ester by SR-BI
Source:	NIH (R01HL058012)
Role & Effort:	Principal Investigator
Dates:	08/18/2015 - 06/30/2020
Direct Funds:	\$1,000,000 (total for years 10-13)
Title:	Roles of subcutaneous adipose tissue and adiponectin on the pathogenicity of visceral adipose tissue
Source:	Advancing a Healthier Wisconsin Changemaking Grants
Role & Effort:	Co-Investigator
PI:	Kidambi, S.
Dates:	01/01/2016 - 12/31/2017
Direct Funds:	\$275,000
Title:	Impact of oxidative modification on HDL function
Source:	Ruth L. Kirschstein Predoctoral Individual National Research Service Award (F31HL134280), NIH
Role & Effort:	Dissertation Mentor Mentee: Rebecca Holme (married name: Schill)
Dates:	09/01/2016 - 08/31/2019
Direct Funds:	\$44,044 (Per year)
Title:	Regulation of cholesterol transport by structural features in SR-BI's transmembrane domains
Source:	Ruth L. Kirschstein Predoctoral Individual National Research Service Award (F31HL138744), NIH
Role & Effort:	Dissertation Mentor - Sarah Proudfoot (married name, May)
Dates:	07/01/2017 - 06/30/2020
Direct Funds:	\$44,044 (per year)
Title:	Metabolic control of inflammation in atherosclerosis by macrophage scavenger receptors
Source:	MCW Cardiovascular Center/Advancing a Healthier Wisconsin
Role & Effort:	Principal Investigator and Pre-Program Project Grant Leader (and PI of Project 2)
PI:	Daisy Sahoo, PhD
Dates:	07/01/2017 - 06/30/2019
Direct Funds:	\$200,000
Title:	Regulation of cholesterol transport by structural features in SR-BI's

transmembrane domains

Source: American Heart Association Predoctoral Fellowship (17PRE33650013)

Role & Effort: Dissertation Mentor - Trainee: Sarah Proudfoot (married name, May)

Dates: 07/01/2017 - 06/30/2019

Direct Funds: \$26,844 (Relinquished due to overlap with F31 Pre-doctoral Fellowship)

Title: Oxidized HDL: A role in beta cell function?

Source: Diabetes Research Training Center (University of Chicago)

Role & Effort: Principal Investigator

Dates: 06/01/2019 - 06/30/2021

Direct Funds: \$30,000 (per year)

Title: Chronic gammaherpesvirus infection in a dyslipidemic host: Adding fuel to the fire

Source: American Heart Association

Role & Effort: Co-Principal Investigator (MPI with Vera Tarakanova, PhD)

PI: Sahoo, D., Tarakanova, V.

Dates: 02/18/2020 - 01/31/2022

Direct Funds: \$275,000 (total for years 1-2)

Title: Understanding the novel roles of FFAR4 in macrophage function

Source: MCW Cardiovascular Center

Role & Effort: Principal Investigator

Dates: 09/01/2021 - 08/31/2022

Direct Funds: \$10,000 (for 1 year)

Non-Peer Review

Title: Identification of Athero-protective Complexes

Source: Raymond & Bernice Eschenberg Fund of the Greater Milwaukee Foundation

Role & Effort: Principal Investigator

Dates: 10/2009 - 09/2010

Direct Funds: \$25,000

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

International

- Sahoo, D., Narayanaswami, V., Kay, C. M. & Ryan, R. O., Spectroscopic studies of protein-lipid interactions of Manduca sexta apolipoprotein III, Canadian Lipoprotein Conference, Ottawa, Ontario, Canada, 09/1996
- Sahoo, D. & Ryan, R. O., Elucidation of the lipid-bound conformation of apolipoprotein III, Canadian Lipoprotein Conference, White Rock, British Columbia, Canada, 10/2000
- Sahoo, D., Ho, S., Agnihotri, R., Francis, G. A. & Lehner, R., Apolipoprotein A-I/hepatocyte interactions: Effects on VLDL secretion, Canadian Lipoprotein Conference, Digby, Nova Scotia, Canada, 10/2001
- Sahoo, D., Probing the Lipid-bound conformation of apolipoprotein III, Department of Biochemistry, Memorial University of Newfoundland, St. John's, Newfoundland, Canada, 12/2001
- Sahoo, D., Solving the structural mysteries of the HDL receptor...one domain at a time, Invited external speaker for the Molecular and Cell Biology Annual Retreat, University of Alberta, Edmonton, Alberta,

Canada, 10/28/2011
Sahoo, D., Scavenger receptor/HDL interactions: A love-hate relationship, University of British Columbia, Vancouver, British Columbia, Canada, 02/19/2016 - Present
Sahoo, D., HDL and scavenger receptors: A love-hate relationship, Memorial University of Newfoundland, St. John's, Newfoundland, Canada, 07/19/2016 - Present
Probing SR-BI/HDL interactions that facilitate cholesterol transport- Poster Presentation, International HDL Workshop of the International Atherosclerosis Society, Valencia, Spain, 09/25/2019 - 09/27/2019
Factors that impact HDL clearance via SR-BI, Great Wall International Congress of Cardiology, Beijing, China, 10/10/2019 - 10/13/2019

National

Sahoo, D., Francis, G. A., Drover, V. A., Ho, S., Agellon, L., Agnihotri, R. & Lehner, R., Apolipoprotein A-I induces high density lipoprotein formation and decreases very low density lipoprotein secretion from primary rat hepatocytes, American Heart Association Scientific Sessions, Chicago, Illinois, 11/2002
Sahoo, D., Scavenger receptor class B type I (SR-BI) assembles into detergent-sensitive dimers and tetramers, Invited lecture, Children's Hospital of Philadelphia, Philadelphia, Pennsylvania, 08/2004
Sahoo, D., Connelly, M. A., Pop, D., Darlington, Y. F. & Williams, D. L., Oligomerization of scavenger receptor class B type I, Invited talk; Southeast Lipid Research Conference, Atlanta, Georgia, 09/2004
Sahoo, D., New insights into the structure and function of scavenger receptor class B type I (SR-BI), Invited speaker for CHORI Research Seminar, Children's Hospital of Oakland Research Institute, Oakland, California, 02/2006
Sahoo, D., Structural and functional insights into the role of scavenger receptor class B type I in cholesterol metabolism, Invited speaker for the Molecular Basis of Disease Seminar series, Medical University of Ohio, Toledo, Ohio, 03/2006
Sahoo, D., The structural organization of the HDL receptor and its influence on cholesterol transport, Invited speaker for the Department of Comparative Biosciences, University of Wisconsin-Madison, Madison, Wisconsin, 02/2010
Sahoo, D., The HDL Receptor: How Structural Ambiguities Affect Cholesterol Transport Efficiency, Cardiovascular Seminar Series, University of Kentucky, 10/14/2011
Sahoo, D., The HDL Receptor: How Structural Ambiguities Affect Cholesterol Transport Efficiency, Invited speaker for CHORI Research Seminar, Children's Hospital of Oakland Research Institute, Oakland, California, 10/18/2011
Sahoo, D., The HDL Receptor: How Structural Ambiguities Affect Cholesterol Transport Efficiency, Invited speaker for the Department of Chemistry and Biochemistry, California State University, Long Beach, California, 10/19/2011
Sahoo, D., Making decisions that shape your career, Invited Panelist, Networking Luncheon sponsored by the Women's Leadership Committee of the Council on Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) of the American Heart Association, Scientific Sessions, Orlando, Florida, 11/14/2011
"The HDL Receptor: How Structural Ambiguities Affect Cholesterol Transport Efficiency", Invited speaker for CHORI Research Seminar Series, Children's Hospital of Oakland Research Institute, Oakland, California, 2011 - 11/01/2011
"The HDL Receptor: How Structural Ambiguities Affect Cholesterol Transport Efficiency", ". Invited speaker for the Department of Chemistry and Biochemistry, California State University Long Beach, Long Beach, California, 2011 - 11/02/2011
Sahoo, D., Succeeding at Every Stage: Insights from the Early Career Committee, Discussion Leader for "Negotiating a Start-up Package as a Career Scientist; Early Career Training Sessions sponsored by the Early Career Committee of the Council on Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) of the American Heart Association, Chicago, Illinois, 04/19/2012
Sahoo, D., Invited Discussion Leader (Apolipoprotein Structure and Function) and Mentor ("How to Succeed in Academia") for students and postdoctoral fellows, Gordon Research Seminars, Lipoprotein Metabolism, Waterville Valley, NH, 06/16/2012 - 06/17/2012
Sahoo, D., BiFC-FRET: Progress on a novel method to visualize SR-BI oligomerization in vivo, Gordon Research Conference, Lipoprotein Metabolism, Waterville Valley, NH, 06/17/2012 - 06/22/2012
Sahoo, D., BiFC-FRET: Development of a novel method to visualize SR-BI oligomerization in vivo, 12th Annual FRET Microscopy Workshop, Charlottesville, VA, 03/11/2013 - 03/16/2013
Sahoo, D., New insights into removal of cholesterol via the SR-BI/HDL complex, Invitation to present a topic that fits the theme of "Evolving Concepts of HDL Function in Cardiometabolic Diseases and Beyond"

- Kern Lipid Conference, Vail, CO, 08/04/2014 - 08/07/2014
- Sahoo, D., The interaction of HDL with scavenger receptors: The good, the bad and the ugly, Invitation to speak at the Southeast Lipid Research Conference, Calloway Gardens, GA, 09/11/2014 - 09/13/2014
- Sahoo, D., The interaction of HDL with scavenger receptors: The good, the bad and the ugly, Invitation to speak for the Department of Biochemistry seminar series, Boston University, Boston, MA, 10/28/2014
- “Insights into the SR-BI/HDL complex: a key regulator of cholesterol flux”, 5th Annual HDL Workshop, San Francisco, 05/09/2015 - 05/10/2015
- Sahoo, D., Understanding HDL/SR-BI interactions: One segment at a time, Invited Talk, Gordon Research Conference, Lipoprotein Metabolism, Waterville Valley, NH, 06/12/2016 - 06/17/2016
- Sahoo, D., Managing Uncertainty: Key to Academic Success, Gordon Research Seminars, Lipoprotein Metabolism, Waterville Valley, NH, 06/09/2018 - 06/10/2018
- Unraveling the mysteries of HDL – What works and what doesn’t, Department of Pathology & Translational Pathobiology, and Center for Cardiovascular Diseases and Sciences., Louisiana State University, Shreveport, LA, 04/11/2019
- Understanding the importance of HDL-cholesterol clearance – Lessons from Dr. Jekyll and Mr. Hyde, 9th Annual HDL Workshop, Boston, MA, 05/16/2019
- Unraveling the mysteries of HDL – The Good, The Bad and The Ugly, Endocrinology Grand Rounds, University of Wisconsin – Madison, Madison, WI, 01/23/2020
- Sahoo, D., Title TBD, Department of Biochemistry & Molecular Biology, University of Nevada, 10/02/2020
- Sahoo, D., Department of Medicine; Endocrine Seminar Series, University of Chicago, 11/02/2020
- “Oxidized HDL and beta cell function”, Diabetes Day, University of Chicago, 2021 - 05/15/2021
- “Discovering the structural basis of HDL’s dual impact on cardiovascular health”, Pennsylvania State University, 2023 - 01/24/2023
- “HDL, Scavenger Receptors and Macrophages: A Multi-Pronged Approach to Reducing Cardiovascular Risk”, Department of Integrative Biology and Physiology, University of Minnesota, 2023 - 02/09/2023

Local

- Sahoo, D., New insights into the structure and function of scavenger receptor class B type I (SR-BI) in the uptake of cholesteryl esters, Endocrinology Grand Rounds Lecture, Medical College of Wisconsin, Milwaukee, Wisconsin, 02/2006
- Sahoo, D., Structural and functional insights into the role of scavenger receptor class B type I (SR-BI) in cholesterol metabolism, Department of Pharmacology and Toxicology, Medical College of Wisconsin, Milwaukee, Wisconsin, 09/2007
- Sahoo, D., Structural elements of the HDL receptor influence cholesterol transport and steroidogenesis, Endocrinology Grand Rounds Lecture, Medical College of Wisconsin, Milwaukee, Wisconsin, 09/2009
- Sahoo, D., Cholesterol transport is facilitated by key structural elements of the HDL receptor, Department of Biophysics, Medical College of Wisconsin, Milwaukee, Wisconsin, 04/2010
- Sahoo, D., It's complicated: assessing the structure-function relationships within the HDL receptor, Cardiovascular Center (Work-in-Progress Seminar Series), Medical College of Wisconsin, Milwaukee, Wisconsin, 12/2010
- Sahoo, D., “Understanding SR-BI-mediated HDL-cholesterol transport: successes and challenges”, Invitation by the Department of Biochemistry, Medical College of Wisconsin, Milwaukee, Wisconsin, 01/2012
- Sahoo, D., Understanding the SR-BI/HDL complex: a key regulator of plasma cholesterol levels, Pediatric Surgery Multidisciplinary Seminar Series, Medical College of Wisconsin, Milwaukee, Wisconsin, 01/2013
- Sahoo, D., A scientific journey with the American Heart Association by our side, AHA Heart Walk to discuss the impact of AHA funding on my personal research program, Medical College of Wisconsin, Milwaukee, Wisconsin, 06/27/2013
- Sahoo, D., Cardiovascular disease: The #1 killer of women is just a heartbeat away, Women in Science (Community talk), Wisconsin Women's Club, 09/12/2013
- Sahoo, D., Cardiovascular disease: The #1 killer of women is just a heartbeat away, St. John’s Community on the Lake (Community talk), 09/13/2013
- Sahoo, D., The SR-BI/HDL complex: a key regulator of plasma cholesterol levels, Cardiovascular Research Center Lunch & Learn session, Medical College of Wisconsin, Milwaukee, Wisconsin, 11/06/2013
- Sahoo, D., The SR-BI/HDL complex: new insights into regulation of plasma cholesterol levels, Cardiology Grand Rounds, Medical College of Wisconsin, Milwaukee, Wisconsin, 12/12/2013

Sahoo, D., New insights into HDL-cholesterol transport and function, Department of Physiology, Medical College of Wisconsin, Milwaukee, Wisconsin, 12/18/2013

Sahoo, D., SR-BI/HDL Interactions: the Good, the Bad and the Ugly, Concordia University, Milwaukee, Wisconsin, 10/22/2014

Medical Scientist Training Program (MSTP) Women's Group (informal discussion about career paths and work/life balance), Medical College of Wisconsin, Milwaukee, Wisconsin, 2014 - 05/07/2014

Sahoo, D., Insights into the SR-BI/HDL complex: a key regulator of cholesterol flux, Spring Workshop on HDL, San Francisco, CA, 05/09/2015 - 05/10/2015

Sahoo, D, My leadership journey at MCW, UWM/MCW Leadership Academy, Milwaukee, WI, 04/05/2017

Sahoo, D, My leadership journey at MCW, UWM/MCW Leadership Academy, Milwaukee, WI, 03/14/2018

Sahoo, D., My Leadership Journey at MCW, UWM/MCW Leadership Academy, Milwaukee, Wisconsin, 04/10/2019

Sahoo, D., Building research infrastructure in the Department of Medicine, Emergency Medicine Department Retreat, Milwaukee, Wisconsin, 06/21/2019

Understanding your heart health: Basic steps lead to clinical success, Mini Medical School Event, Harry & Rose Samson Family Jewish Community Center, 11/21/2019

Sahoo, D., How to prepare and start your thesis or dissertation, Student Health Sciences Conference, Milwaukee, Wisconsin, 01/11/2020

Becoming a Resilient Scientist – Pandemic Edition, Trainees of the Cardiovascular Center, Medical College of Wisconsin, Milwaukee, Wisconsin, 07/07/2020

“Unraveling the mysteries of HDL – The Good, The Bad and The Ugly”, Department of Physiology, Medical College of Wisconsin, Milwaukee, Wisconsin, 09/23/2020

“Unraveling the mysteries of HDL-cholesterol clearance”, Cardiology Grand Rounds, Medical College of Wisconsin, Milwaukee, Wisconsin, 09/24/2020

“How to prepare and start your thesis or dissertation”., Student Health Sciences Conference., Milwaukee, Wisconsin, 2021 - 01/16/2021

Sahoo, D, “Unraveling the mysteries of HDL: The good, the bad and the ugly”, Department of Pharmacology & Toxicology, , Medical College of Wisconsin, Milwaukee, Wisconsin, 2022 - 05/19/2022

COMMITTEE SERVICE:

Medical College of Wisconsin

2008 - 2013 Member, Women's Faculty Council, Medical College of Wisconsin

2009 - 2012 Member, Graduate Students Council Awards Committee, Medical College of Wisconsin

2009 - 2010 Secretary, Women's Faculty Council, Medical College of Wisconsin

2010 - 2011 Chair-Elect, Women's Faculty Council, Medical College of Wisconsin

2010 - 2017 Member, Research Affairs Committee, Medical College of Wisconsin

2010 - 2011 Representative of the Women's Faculty Council, Diversity Advisory Committee, Medical College of Wisconsin

2011 - 2013 Member, Faculty Forward Task Force, Medical College of Wisconsin

2011 Member, Festival of Cultures Sub-Committee, Medical College of Wisconsin

2011 - Present Member, Commencement Committee, Medical College of Wisconsin

2011 - 2012 Judge, MCW Research Day, Medical College of Wisconsin

2011 - Present Member, Research Mentorship Program Committee, Medical College of Wisconsin

2011 - 2012 Chair, Women's Faculty Council, Medical College of Wisconsin

2012 - 2013 Chair Emeritus, Women's Faculty Council, Medical College of Wisconsin

2012 - 2015 Chair, Research Affairs Committee, Medical College of Wisconsin

2012 - Present Member, Women's Leadership Think Tank Task Force, Medical College of Wisconsin

2012 - 2015 Member, Course Evaluation Committee, Graduate School of Biomedical Sciences, Medical College of Wisconsin

2013 - 2014 Member, CVC Search Committee, Medical College of Wisconsin

2013 Executive Evaluation Committee, Interdisciplinary Graduate Program of the Biomedical Sciences, Medical College of Wisconsin

2013 Selection Committee Member, Community of Innovators Award, Medical College of Wisconsin

2013 CVC Work Group to develop White Pages for the Dean, Medical College of Wisconsin

2014 - Present Co-Leader, Atherosclerosis Affinity Group, Cardiovascular, Cardiovascular Center

2014 - Present Reviewer, Honors in Research Program, Medical College of Wisconsin

2014 - Present Department of Medicine Research Committee
2015 - Present Task Force, Faculty & Staff Engagement Surveys
2015 - 2016 Member, Department of Medicine alternate representative, Faculty Council
2015 - 2019 CTSI Mentoring Program
2015 - 2018 Member, Faculty Credentials Committee, Graduate School of Biomedical Sciences
2015 Reviewer, President's Scholar Awards
2015 - Present Member, Search Committee for Chair of Microbiology and Molecular Genetics
2015 Task Force, Faculty & Staff Engagement Surveys
2015 Reviewer, Advancing a Healthier Wisconsin (AHW) - Change making grants
2017 Blue Ribbon Task Force, Recruitment Strategies for the Cardiovascular Center's T32 Postdoctoral Fellowship
2017 - 2018 Member, IDP Recruitment Committee, Interdisciplinary Graduate Program of the Biomedical Sciences
2017 Member, IDP Curriculum Re-Design Committee for IDP
2017 - Present Member, Program Evaluation Committee
2017 - 2018 Reviewer, Clinical & Translational Science Institute (CTSI) Scientific Review Committee for Pilot Awards, MCW
2017 - 2018 Reviewer, Therapeutic Accelerator Program (TAP) Grants, MCW
2017 - 2020 Member, Institutional Financial Advisory Committee
2018 Co-Chair, PrePPG and Pilot Awards Committee, Cardiovascular Center
2018 - Present Member, IDP Mentoring Committee, Interdisciplinary Graduate Program of the Biomedical Sciences, MCW
2018 - 2019 Co-Chair, Search Committee for Women's Health Endowed Chair, Department of Medicine
2018 Member, Search Committee for Chair of Physiology, MCW
2018 - 2019 Vice-President, Faculty Council, MCW
2018 - Present Member, Faculty Governance Committee, MCW
2018 - 2019 Member, Search Committee for Chief of Division of Endocrinology and Molecular Medicine, MCW
2019 - Present Member, Internal Advisory Board, R38 Stimulating Access to Research in Residency (StARR), MCW
2019 - 2020 Senior Vice-President, Faculty Council, MCW
2019 - Present Reviewer, KL2 Awards, Advancing a Healthier Wisconsin (AHW)
2019 Member, MCW Nominating Committee, MCW
2019 - Present Reviewer, KL2 Awards, Clinical & Translational Science Institute (CTSI), MCW
2019 - 2020 Chair, Search Committee for Director of Comprehensive Injury Center, MCW
07/01/2020 - 06/30/2021 President, Faculty Council, MCW
2020 - Present Reviewer, Society of Research Excellence Awards
2020 - 2021 Chair, , Faculty Council Governance Committee
2020 Reviewer, Collaborative Research for Improved Health Grants, Advancing a Healthier Wisconsin (AHW)
2020 - 2021 Member, Curriculum Exploration Committee – Principle 4
2020 - Present Co-Chair, Research Culture Workgroup, MCW
2020 - 2021 Member, Board of Trustees, Medical College of Wisconsin
2020 - 2022 Member, COVID/Research Oversight Group
2020 - Present Member, Council of Collaboration, CTSI
2020 Member, Pilot Grant Program, Cancer Center
2020 - 2021 President, Faculty Council
2021 - 2022 Member, Integration of Basic and Clinical Sciences Group (for MCW Fusion curriculum re-design)
2021 - Present Member, Health Sciences University Transition (as Faculty Council Rep)
2021 - 2022 Member, Holistic Review of Promotion & Tenure – Evidence Workgroup
2021 Reviewer, MCW Distinguished Service Awards
2021 Member, Search Committee for Associate Director of CTSI and Director of the Clinical and Translational Research Center of the CTSI
2022 Member, Search Committee for Chair of Biophysics
2022 Member, Search Committee for Division Chief of Hematology and Oncology
2022 Member, Search Committee for Vice Chair for Research, Department of Anesthesiology

- 2022 - Present Member, Advisory Board, GlycOmics K12 Career Development Program for Glycoscience, Versiti and MCW
2023 Co-Chair, Faculty Search Committee for Center for Immunology and the Department of Microbiology & Immunology (early career faculty search)

MCW TEACHING ACTIVITIES:

Medical Student Education

- 08/2012 - Present Molecules to Cells (M1) - Lectures (5 hours total): Lipids in Membranes, Cholesterol, Phospholipids; Fatty Acid Metabolism; Triglyceride Catabolism/Ketogenesis; Integrated Fuel Metabolism
10/2013 - Present Cardiovascular Unit (M2) - Lectures (2 hours total): Biochemistry of Lipids and Lipoproteins
01/2015 - Present Physician Scientist Pathway (M1), Facilitator, small group discussions (3x1 hour)
08/2020 - Present Case-based Discussions – MCAAD Deficiency Basic Scientist Discussion leader (2 hours)
08/2020 - Present Case-based Discussions – Sickle Cell Disease Basic Scientist Discussion leader (2 hours)

Graduate Student Education

- 12/2007 - Present Advanced Systems Physiology/Endocrine Regulation - Lipoprotein Metabolism

Continuing Medical Education

- 2017 - Present Grant Writing Workshop

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Medical Students

- 05/2012 - 08/2012 Brian Kenealy, M2 student, Medical College of Wisconsin, Medical College of Wisconsin, Recipient of NHLBI T35 Training Grant
05/2012 - 08/2012 Shuyan Wei, Medical Student Summer Research Program, Medical College of Wisconsin
06/2013 - 07/2013 James Miller, Medical Student Training Program for MD/PhD degree, Medical College of Wisconsin
05/28/2014 - 08/08/2014 Mona Lalehzari, M2 student, Medical College of Wisconsin, Medical College of Wisconsin
07/01/2016 - 07/27/2016 Hayley Powers, Medical Science Training Program for MD/PhD degree, Medical College of Wisconsin

Graduate Students

PhD Students Advised

- 03/2008 - 11/2012 Gabriella Papale Kartz, Deciphering the structural organization of scavenger receptor class B type I and its impact on cholesterol transport, Medical College of Wisconsin
05/2011 - 12/2015 Alexandra Chadwick, Complex Formation between High Density Lipoproteins and Scavenger Receptor BI: a Key Step in Regulation of Plasma Cholesterol Levels, Medical College of Wisconsin, American Heart Association Pre-doctoral Fellowship; Graduate Student Poster Award for the 2011 Graduate School of Biomedical Sciences Research Poster Session; Graduate Student Poster Award for the 2014 Graduate School of Biomedical Sciences Research Poster Session; Travel award, Protein Society July 2014; Invited talk: Cardiovascular Redox Symposium, Milwaukee 11/14/14; Finalist: Junior Investigator of Women Award (presented by the Women's Leadership Committee, ATVB Council) 5/15; Graduate Student Poster Award for the 2015 Graduate School of Biomedical Sciences Research Poster Session; Outstanding Dissertation Award 5/16.
05/2013 - 02/2018 Rebecca Holme, High Density Lipoprotein Function During Reverse Cholesterol Transport", Medical College of Wisconsin, ATVB Travel Merit Award; Invited talk, Gordon Research Series 6/16; Best Poster Award, Cardiovascular Center Retreat 5/16; NIH F31 Fellowship
05/2015 - Present Sarah Proudfoot, TBD, Medical College of Wisconsin, Recipient of (i) American Heart Association Predoctoral Fellowship (0.25th percentile) - This was relinquished in Sept. 2017 due

to overlap NIH F31 Predoctoral Fellowship (ii) NIH F31 Predoctoral Fellowship
10/2016 - 12/2016 Andrew Becker, Rotation, Medical College of Wisconsin
01/2017 - 02/2017 Holly Haver, Rotation, Medical College of Wisconsin
07/2017 - Present Darcy Knaack, SR-BI and PCPE2: Partners in Adipocyte cholesterol transport,
Medical College of Wisconsin, (i) Guy Berst Fellowship (ii) NIH F31 Predoctoral Fellowship

PhD Committees

01/2009 - 06/2013 Lalitha Shrestha, Medical College of Wisconsin
03/2011 - 10/2012 Lily Du, Medical College of Wisconsin
02/2018 - Present Adam Pikrum, Medical College of Wisconsin
07/2018 - Present Holly Haver, Medical College of Wisconsin
07/2018 - Present Carlie Aurubin, Medical College of Wisconsin
01/2020 - Present Kelsey Meacham, Medical College of Wisconsin

PhD

08/2010 - 10/2010 Prashant Sharma, Rotation, Medical College of Wisconsin
03/2011 - 05/2011 Sharaddha Nayak, Rotation, Medical College of Wisconsin
03/2013 - 05/2013 Moua Yang, Rotation, Medical College of Wisconsin
08/2019 - Present Laura Danner, MCW
08/2020 - Present Eugenia Wulff, MCW
08/2020 - Present Meng-Ming Hu, MCW
02/2022 - Present Alyssa Fernandez Gehant, MCW

MS

08/2017 - 02/2018 Friedrich Seewald, MCW
07/2018 - Present Haley Powers, Structure/Function studies of SR-BI, Medical College of Wisconsin, (i)
Women in Science Opportunities Fund (to support travel to the NMR Workshop in Madison, WI) (ii)
NIH F30 Predoctoral Fellowship (pending NOA)
05/2020 - Present Demetra Korkos, MCW

Faculty

2013 - Present Yi(Sherry)Zhang, PhD, Medicine/Endocrinology, Medical College of Wisconsin
2014 - Present Banani Banerjee, PhD, Medicine/GI-Hepatology, Medical College of Wisconsin
2019 - Present Muhammad (Bilal) Abid, MD, Medicine/Hematology/Oncology, Medical College of
Wisconsin
2020 - Present Anjite Kroner-Milsch, PhD, Neurology, Medical College of Wisconsin

EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS

MENTORED:

High School Students

06/2013 - 08/2013 Alexis Handley, Research Opportunity for Academic Development in Science
(ROADS), Menomonee Falls High School
06/2018 - 08/2018 Lauryn Cross, Research Opportunity for Academic Development in Science (ROADS),
Menomonee Falls High School

Undergraduate Students

05/2012 - 08/2012 Paula Dene Nesbeth, Summer Program for Undergraduate Research (SPUR), Grinnell
College
05/2016 - 08/2016 Emma Allen, Summer Program for Undergraduate Research (SPUR), Ripon College
05/2016 - 08/2016 Jakara Griffin, Diversity Summer Health-related Research Education Program
(DSHREP), Emory University
05/2019 - 08/2019 Maria Tischer, Summer Program for Undergraduate Research (SPUR), St. Olaf College

Medical Students

06/2013 - 06/2016 Daniel Hawkins, Pathways Student - Research Pathway
07/2021 - 08/2021 Damian Schmalzriedt, Rotation Students from the Medical Science Training Program
(MSTP)
07/2022 - 08/2022 Guadalupe Valdivia, Rotation Students from the Medical Science Training Program
(MSTP)

Graduate Students

PhD

04/2015 - Present Adam Kanack

04/2016 - Present Philip Lang

04/2020 - Present Gage Stuttgen, Role of GPCRs in atherosclerosis

PhD Students Advised

05/2015 - 09/2020 Sarah Proudfoot, Structural features of SR-BI that impact cholesterol transport functions, (i) American Heart Association Predoctoral Fellowship (0.25th percentile) – This was relinquished in Sept 2017 due to overlap with NIH F31 Predoctoral Fellowship (ii) NIH F31 Predoctoral Fellowship (iii) Graduate Student Poster Award, Cardiovascular Center Retreat, MCW, October 19, 2018 (iv) Poster Award, Vasculata, July 2019

03/2017 - 04/2017 Christa Winslow, Rotation, Graduate School of Biomedical Sciences

06/01/2019 - 06/30/2019 Julian Grosskopff, Medical Science Training Program

09/2019 - 11/2019 Gage Stuttgen, Rotation, Graduate School of Biomedical Sciences

11/2019 - 12/2019 Joseph Crecelius, Rotation, Graduate School of Biomedical Sciences

09/2021 - 11/2021 Nathan Witman, Graduate Studies - Rotation Students from the Interdisciplinary Program (IDP)

02/2022 - Present Jordan Bobek, "Role of oxidized HDL in atherosclerosis"

07/2022 - Present Emma Tillison, "Structure/function relationships of CD36"

Michael Donohue, Rotation Students from the Interdisciplinary Program (IDP) in the School of Graduate Studies

PhD Committees

02/2018 - Present Christa Winslow

Faculty

2020 - Present Kristi Streeter, PhD, Marquette University/Physical

2020 - Present Mabruka Alfaidi, PhD, LSU-Shreveport (Asst. Professor)

2022 - Present Juliana Alvarez Argote, MD, Medicine/Hematology/Oncology (Assistant Professor)

PROGRAMMATIC DEVELOPMENTS:

Research Programs

09/01/2014 - Present Vice Chair for Research, Department of Medicine

COMMUNITY SERVICE ACTIVITIES:

10/27/2010 - 10/29/2010 Member of the Planning committee for the THRIVE Conference for Women in Medicine & Science, Lake Geneva, WI

2012 Guest speaker and 'judge' at presentation of Scientific Research Proposals for 11th Grade students at Kettle Moraine High School, Wales, Wisconsin

2013 Invited Speaker, St. Johns on the Lake Retirement Community (Community talk for educational and philanthropic purposes)

2013 Invited Speaker, Women in Science Program (program designed to highlight scientific research by female faculty at MCW; talks are given to community at large, primarily for philanthropic and educational purposes)

2013 - Present Member, Women in Science Advisory Board

2013 Guest speaker, Invited to speak about "Grant Writing" for 11th Grade students at Kettle Moraine High School, Wales, Wisconsin

10/16/2014 - 2014 Guest speaker, Heart 2 Heart Women's Heart Awareness Event Sponsored by the Froedtert and MCW Cardiovascular Center Advisory Board

2014 Guest Speaker, Heart Walk Kick-off, West Bend, Wisconsin

2017 SMART Team Program Mentor (Students Modeling A Research Topic) Milwaukee School of

Engineering (MSOE)'s Center for BioMolecular Modeling (CBM)
11/21/2019 Guest Speaker to educate about Heart Disease, Mini Medical School event, Harry & Rose Samson Family Jewish Community Center
2021 - 05/24/2021 Guest speaker, Invited to speak about "Exploring Careers in Science" for High School of Health Sciences (HS²), Kettle Moraine High School Campus, Wales, Wisconsin
2022 - 10/06/2022 Guest speaker, Invited to speak about "Life as an Academic Scientist" for Waukesha West High School, Waukesha, Wisconsin

OTHER:

10/2013 - 03/2014 Participant of the MCW/UWM Leadership Academy
05/07/2014 MSTP Women's Group - Informal discussion about career paths and work/life balance
05/2014 - Present Medical Science Training Program (MSTP) Women's Group (informal discussion about career paths and work/life balance) May 7, 2014; Medical College of Wisconsin
03/2015 - Present Reviewer, Advancing a Healthier Wisconsin - Changemaking grants
06/2015 - Present Reviewer, Presidents Scholar Awards, Medical College of Wisconsin

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Wang, J., SAHOO, D., Schieve, D., Gagne, S. M., Sykes, B. D. & Ryan, R. O. (1997) Multidimensional NMR studies of an exchangeable apolipoprotein and its interactions with lipids. *Techniques in Protein Chemistry VIII*, 427-438.
2. SAHOO, D., Narayanaswami, V., Kay, C. M. & Ryan, R. O. (1998) Fluorescence studies of exchangeable apolipoprotein-lipid interactions: Superficial association of apolipoprotein III with lipoprotein surfaces. *J. Biol. Chem.* 273, 1403-1408. PMID:9430675.
3. Wang, J., SAHOO, D., Sykes, B. D. & Ryan, R. O. (1998) NMR evidence for a conformational adaptation of apolipoprotein III upon lipid association. *Biochem. Cell Biol.* 76, 276-283. PMID: 9923696
4. SAHOO, D., Narayanaswami, V., Kay, C. M. & Ryan, R. O. (2000) Pyrene excimer fluorescence: A spatially sensitive probe to monitor lipid-induced helical rearrangement of apolipoprotein III. *Biochemistry* 39, 6594-6601. PMID: 10828977
5. SAHOO, D., Weers, P. M. M., Ryan, R. O. & Narayanaswami, V. (2002) Lipid-triggered conformational switch of apolipoprotein III helix bundle to an extended helix organization. *J. Mol. Biol.* 321, 201-214. PMID: 12144779.
6. Boucher, J., Ramsamy, T. A., Braschi, S., SAHOO, D., Neville, T. A. & Sparks, D. L. (2004) Apolipoprotein A-II regulates HDL stability and affects hepatic lipase association and activity. *J. Lipid Res.* 45, 849-858. PMID: 14967812
7. SAHOO, D., Trischuk, T. C., Chan, T., Drover, V. A., Ho, S., Chimini, G., Agellon, L. B., Agnihotri, R., Francis, G. A. & Lehner, R. (2004) ABCA1-dependent lipid efflux to apolipoprotein A-I mediates HDL particle formation and decreases VLDL secretion from primary rat and mouse hepatocytes. *J. Lipid Res.* 45, 1122-1131. PMID: 14993246.
8. Parathath, S., SAHOO, D., Darlington, Y. F., Peng, Y., Collins, H. L., Rothblat, G. H., Williams, D. L. & Connelly, M. A. (2004) Glycine 420 near the C-terminal transmembrane domain of SR-BI is critical for proper delivery and metabolism of HDL-cholesteryl ester. *J. Biol. Chem.* 279, 24976-24985. PMID: 15060063
9. Drover, V. A., Ajmal, M., Nassir, F., Davidson, N. O., Nauli, A. M., SAHOO, D., Tso, P. & Abumrad, N. A. (2005) CD36 deficiency impairs intestinal lipid secretion and clearance of chylomicrons from the blood. *J. Clin. Invest.* 115, 1290-1297. PMID: 15841205; PMCID: PMC1074677
10. SAHOO, D., Darlington, Y. F., Pop, D., Williams, D. L. & Connelly, M. A. (2007) Scavenger receptor class B type I assembles into detergent-sensitive dimers and tetramers. *Biochem. Biophys. Acta* 1771, 807-817. PMID: 16624615
11. SAHOO, D., Peng, Y., Smith, J. R., Darlington, Y. F. & Connelly, M. A. (2007) Scavenger Receptor Class B, Type I (SR-BI) Homo-dimerizes via its C-terminal Region: Fluorescence Resonance Energy Transfer Analysis. *Biochem. Biophys. Acta* 1771, 818-29. PMID: 17556017; PMCID: PMC1993887
12. Drover, V. A., Nguyen, D. V., Bastie, C. C., Darlington, Y. F., Abumrad, N. A., Pessin, J. E., London, E., SAHOO, D., & Phillips, M. C. (2008) CD36 mediates both cellular uptake of very long chain fatty acids and their intestinal absorption in mice. *J. Biol. Chem.* 283, 13108-13115. PMID: 18332148;

PMCID: PMC2442355

13. Papale, G.A., Nicholson, K., Hanson, P.J., Pavlovic, M., Drover, V.A. & SAHOO, D. (2010) Hydrophobic regions in the extracellular domain of scavenger receptor BI play a key role in mediating HDL-cholesterol transport. *Arch. Biochem. Biophys.* 496, 132-139. PMID: 20219439; PMCID: PMC2853188
14. Papale, G.A., Hanson, P.J. & SAHOO, D. (2011) Extracellular disulfide bonds support scavenger receptor BI-mediated cholesterol transport. *Biochemistry.* 50, 6245-6254. PMID: 21675794; PMCID: PMC3940413
15. Otis, J. P., SAHOO, D., Drover, V. A., Yen, C-L. E. & Carey, H. V. (2011) Cholesterol and lipoprotein dynamics in a hibernating mammal. *PLoS ONE.* 6, e29111. PMID: 22195001; PMCID: PMC3240636
16. Chadwick AC, Sahoo D. Functional genomics of the human high-density lipoprotein receptor scavenger receptor BI: an old dog with new tricks. *Curr Opin Endocrinol Diabetes Obes.* 2013 Apr;20(2):124-31. PMCID: PMC3967407
17. Kartz GA, Holme RL, Nicholson K, Sahoo D. SR-BI/CD36 chimeric receptors define extracellular subdomains of SR-BI critical for cholesterol transport. *Biochemistry.* 2014 Oct 07;53(39):6173-82. PMCID: PMC4188264
18. Chadwick AC, Sahoo D. Functional characterization of newly-discovered mutations in human SR-BI. *PLoS One.* 2012;7(9):e45660. PMCID: PMC3448639
19. Chadwick, A. C. & SAHOO, D. (2014) Acrolein impairs the athero-protective cholesterol transport functions of high density lipoproteins. *PLoS ONE.* In submission.
20. Chadwick, A. C., Jensen, D.R., Peterson, F.P., Volkman, B.F. & SAHOO, D. (2014) Expression, purification and reconstitution of the C-terminal transmembrane domain of scavenger receptor BI into detergent micelles for NMR analysis. *Prot. Exp. Purif.* In revision. PREP-14-396
21. Chadwick AC, Jensen DR, Peterson FC, Volkman BF, Sahoo D. Expression, purification and reconstitution of the C-terminal transmembrane domain of scavenger receptor BI into detergent micelles for NMR analysis. *Protein Expr Purif.* 2015 Mar;107:35-42. PMCID: PMC4270826
22. Chan CK, Seo EY, Chen JY, Lo D, McArdle A, Sinha R, Tevlin R, Seita J, Vincent-Tompkins J, Wearda T, Lu WJ, Senarath-Yapa K, Chung MT, Marecic O, Tran M, Yan KS, Upton R, Walmsley GG, Lee AS, Sahoo D, Kuo CJ, Weissman IL, Longaker MT. Identification and specification of the mouse skeletal stem cell. *Cell.* 2015 Jan 15;160(1-2):285-98. PMCID: PMC4297645
23. Pollard RD, Blesso CN, Zabalawi M, Fulp B, Gerelus M, Zhu X, Lyons EW, Nuradin N, Francone OL, Li XA, Sahoo D, Thomas MJ, Sorci-Thomas MG. Procollagen C-endopeptidase Enhancer Protein 2 (PCPE2) Reduces Atherosclerosis in Mice by Enhancing Scavenger Receptor Class B1 (SR-BI)-mediated High-density Lipoprotein (HDL)-Cholesteryl Ester Uptake. *J Biol Chem.* 2015 Jun 19;290(25):15496-15511. PMCID: PMC4505464
24. Chadwick AC, Holme RL, Chen Y, Thomas MJ, Sorci-Thomas MG, Silverstein RL, Pritchard KA Jr, Sahoo D. Acrolein impairs the cholesterol transport functions of high density lipoproteins. *PLoS One.* 2015;10(4):e0123138. PMCID: PMC4388475
25. Kropp EM, Oleson BJ, Broniowska KA, Bhattacharya S, Chadwick AC, Diers AR, Hu Q, Sahoo D, Hogg N, Boheler KR, Corbett JA, Gundry RL. Inhibition of an NAD⁺ salvage pathway provides efficient and selective toxicity to human pluripotent stem cells. *Stem Cells Transl Med.* 2015 May;4(5):483-93. PMCID: PMC4414215
26. Chen Y, Kennedy DJ, Ramakrishnan DP, Yang M, Huang W, Li Z, Xie Z, Chadwick AC, Sahoo D, Silverstein RL. Oxidized LDL-bound CD36 recruits an Na⁺/K⁺-ATPase-Lyn complex in macrophages that promotes atherosclerosis. *Sci Signal.* 2015 Sep 08;8(393):ra91. PMCID: PMC4852751
27. Korytowski W, Wawak K, Pabisz P, Schmitt JC, Chadwick AC, Sahoo D, Girotti AW. Impairment of Macrophage Cholesterol Efflux by Cholesterol Hydroperoxide Trafficking: Implications for Atherogenesis Under Oxidative Stress. *Arterioscler Thromb Vasc Biol.* 2015 Oct;35(10):2104-13. PMCID: PMC4601804
28. Holme RL, Miller JJ, Nicholson K, Sahoo D. Tryptophan 415 Is Critical for the Cholesterol Transport Functions of Scavenger Receptor BI. *Biochemistry.* 2016 Jan 12;55(1):103-13. PMCID: PMC5428993
29. Afolayan AJ, Alexander M, Holme RL, Michalkiewicz T, Rana U, Teng RJ, Zemanovic S, Sahoo D, Pritchard KA Jr, Konduri GG. Domain Mapping of Heat Shock Protein 70 Reveals That Glutamic Acid 446 and Arginine 447 Are Critical for Regulating Superoxide Dismutase 2 Function. *J Biol Chem.* 2017 Feb 10;292(6):2369-2378. PMCID: PMC5313107
30. Dong, L., Yuan, Y., Opansky, C., Aguilera-Barrantes, I., Wu, S., Yuan, R., Cao, Q., Chung Cheng, Y., SAHOO, D., Silverstein, R.L. & Ren, B. (2017) Diet-induced obesity links ER positive breast cancer

- progression via LPA/PKD-1-CD36 signaling-mediated PMID: 28186980; PMCID: In process
31. Dong L, Yuan Y, Opansky C, Chen Y, Aguilera-Barrantes I, Wu S, Yuan R, Cao Q, Cheng YC, Sahoo D, Silverstein RL, Ren B. Diet-induced obesity links to ER positive breast cancer progression via LPA/PKD-1-CD36 signaling-mediated microvascular remodeling. *Oncotarget*. 2017 Apr 04;8(14):22550-22562. PMCID: PMC5410244
 32. Chadwick AC, Jensen DR, Hanson PJ, Lange PT, Proudfoot SC, Peterson FC, Volkman BF, Sahoo D. NMR Structure of the C-Terminal Transmembrane Domain of the HDL Receptor, SR-BI, and a Functionally Relevant Leucine Zipper Motif. *Structure*. 2017 Mar 07;25(3):446-457. PMCID: PMC5575897
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