

## CURRICULUM VITAE

### Daisy Sahoo PhD

Dean, Professor  
Department of Medicine  
Division of Medicine Endocrinology

#### OFFICE ADDRESS:

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 Lalezari, 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 (HS<sup>2</sup>), 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<sup>+</sup> 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<sup>+</sup>/K<sup>+</sup>-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
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