MARIA FERNANDA FORNI, PHD

Pew Postdoctoral Fellow
Horsley Lab, Yale University
Department of Molecular, Cellular and Developmental Biology
Yale Science Building, 260 Whitney Avenue, Room 122
New Haven, CT 06520
Pronouns: She, her, hers

My overarching goal is to understand how metabolism controls cell fate and function during development, regeneration, and aging in mammals.

EDUCATION, RESEARCH INTERESTS & EXPERIENCE

Yale University, New Haven, CT **February 2019 - Current**
Pew Postdoctoral Fellow
Molecular, Cellular, and Developmental Biology (MCDB) Department
Project: Aging, metabolism and caloric restriction: novel mediators that modulate stem cell fate.
Advisor: Prof Valerie Horsley

University of São Paulo, São Paulo, Brazil **2014-2018**
Fapesp Postdoctoral Fellow
FAPESP Fellowship #2013/04871-6 and FAPESP BEPE Fellowship #2016/22298-0
Biochemistry Department,
Project: Caloric restriction impact on skin stem cell homeostasis.
Advisor: Prof Alicia J. Kowaltowski/Prof Niels Olsen

Yale University, New Haven, CT **2017**
Visiting Postdoctoral Fellow
Molecular, Cellular, and Developmental Biology (MCDB) Department
Project: Bioenergetic alterations of dermal white adipose tissue precursors during caloric restriction.
Advisor: Prof Valerie Horsley

Boston University, Boston, MA **2015**
Postdoctoral Fellow
Metabolism and Mitochondrial Biology Department
Project: Mitochondrial dynamics during mesenchymal stem cell commitment to differentiation.
Advisors: Prof Orian Shirihai

University of São Paulo, São Paulo, Brazil **2007-2014**
University of Cambridge, Cambridge, UK
Ph.D. Student
FAPESP Fellowship #2006/59199-7 and CAPES Fellowship #BEX 1284-10-0
Biochemistry Department
Thesis: Molecular mechanisms of glutathione depletion on skin stem cell homeostasis and aging.
Advisors: Prof Mari C. Sogayar and Prof Fiona Watt

University of São Paulo, São Paulo, Brazil **2001-2007**
Undergraduate Research Fellow (Bachelor and Licentiate degree)
FAPESP Fellowship #2001/10624-4
Biology, Biology Institute
Senior Honors Thesis: Expression and dynamics of E-cadherin and connexin 43 expression in the Ehrlich tumor during the transition from ascitic to solid form.

HONORS & AWARDS

2023 **AGE Meeting. Prize and Oral Presentation**. June 2023.
COMPASS Fellow – Mentoring program to develop Leadership and Management skills for early-career biomedical researchers (NIH Funded) - Washington Univeristy in St Louis.
Science Forward Fellow. CSHL and Associated Medical Schools of New York (AMSNY).

2022 **CellBio 2022. Prize and Oral Presentation**. April 2022.
ASCB FRED Fellow Program. Faculty Research and Education Development Program.
Society for Investigative Dermatology. Prize and Oral Presentation. April 2022.

2021 **ASCB ACT Fellow** - Accomplish Career Transition Award. July 2021-July 2023
Society for Investigative Dermatology. Prize and Oral Presentation. May 2021.
SFFRi Prize for Women in Science Advocacy. March 2021.

2020 **MCDB Certificates of Recognition for Enhancing Diversity, Equity & Inclusion**. Yale 2020.

2018 **Pew Latin American Fellow**. Yale University. Starting date: February 2019.

2017 **Best Poster. MCDB Department Retreat**. Yale University. Marine Biological Labs, Woods Hole, MA, USA.
Young Scientist Award. International Union of Biochemistry and Molecular Biology (IUBMB) Focused meetings on molecular aspects of aging & longevity. Athens, Greece.

2016 **Seahorse Travel Award to International Society for Stem Cell Research (ISSCR) Annual Meeting**, San Francisco, CA.
Young Scientist Award. SBBq Symposium. Annual Meeting of the Brazilian Society for Biochemistry and Molecular Biology. Natal, Brazil. ◆ Selected for oral presentation.

2015 **Young Scientist Program**. 44th Annual Meeting of IUBMB and SBBq. Foz do Iguaçu, Brazil. ◆ Selected for oral presentation.

2014 **Travel Award from the ISSCR**. To: International Society for Stem Cell Research Annual meeting, Vancouver, Canada. ◆ Selected for a poster presentation.

2013 **SBBq Conesul Symposium. Young Scientist Platform Session**. Annual Meeting of the Brazilian Society for Biochemistry and Molecular Biology. Foz do Iguaçu, Brazil. ◆ Selected for oral presentation.

2012 **Travel Award from the ISSCR**. To: International Society for Stem Cell Research Annual Meeting, Yokohama, Japan.
Travel Award from the Chemistry Institute. University of São Paulo, Brazil. To: ISSCR Annual meeting of the International Society for Stem Cell Research, Yokohama, Japan.

2011 **Travel Award from the South American Group of the Society for Free Radical Biology and Medicine** To VII Meeting of South American Group of the SFRBM. São Pedro, SP, Brazil.

2009 **Best Graduate Poster/Project** - 1st Chemistry Institute Symposium. Chemistry Institute, University of São Paulo, Brazil.

2007 **14° SIICUSP (International Symposium of USP Scientific Undergraduate community)** Research Award for best undergraduate student project - University of São Paulo, Brazil.

PEER-REVIEWED PUBLICATIONS (★CORRESPONDING AUTHOR, ♯ EQUAL CONTRIBUTION)

Peer Reviewed Publications: 22

First author: 10

Submitted: 1

In preparation: 3

H-factor (Google Scholar): 15

In preparation

Maria Fernanda Forni, Gabriela Pizurro, Yiting Xu, Amanda Alexander, Will Krause, Olivia Justynski, Kathryn Miller-Jensen, Valerie Horsley. Single Cell Secretomic analysis unveils new mediators of metabolic reprogramming in the wound bed. *In preparation.*

Maria Fernanda Forni, Yiting Xu, Will Krause, Guillermo Rivera-Gonzalez, Valerie Horsley. Caloric restriction rescues the aging phenotype by controlling quiescence and cell fate specification through the metabolic modulation of stem cells. *In preparation.*

Maria Fernanda Forni, Yiting Xu, Will Krause, Olivia Justynski, Valerie Horsley. Metabolic crosstalk in the wound bed informs regeneration and is derailed during aging in mammalian skin. *In preparation.*

Submitted

2023 **23-**Olivia Justynski, Kate Bridges, Will Krause, **Maria Fernanda Forni**,Quan Phan, Teresa Sandoval-Schaefer, Ryan Driskell, Kathryn Miller Jensen, Valerie Horsley. Apoptosis recognition receptors regulate skin tissue repair in mice. Submitted to eLIFE. Preprint bioRxiv 2023 doi: 10.1101/2023.01.17.523241.

Published

2022 **22-**Pei-Ling Tsai, Christopher J.F. Cameron, **Maria Fernanda Forni,** Valerie Horsley, Mark B. Gerstein, Christian Schlieker Dynamic quality control machinery that operates across compartmental borders mediates the degradation of mammalian nuclear membrane proteins. Cell Reports. 41, 111675 November 22, 2022. https://doi.org/10.1016/j.celrep.2022.111675.

2021 ★ **21-Maria Fernanda Forni**, Omar Amorocho, Leonardo Vinícius de Assis, Gabriela Kinker, Maria Nathalia Moraes, Ana Maria Castrucci, and Niels Camara. An immunometabolic shift modulates cytotoxic lymphocyte activation during melanoma progression in TRPA1 channel null mice. Frontiers in Oncology. May 2021. doi: 10.3389/fonc.2021.667715

20-Breda CNS, Breda LCD, Carvalho LADC, Amano MT, Terra FF, Silva RC, Fragas MG, **Forni MF**, Câmara NOS. Loss of mTORC2 Activity in Neutrophils Impairs the Fusion of Granules and Affects Cellular Metabolism Favoring Increased Bacterial Burden in Sepsis. J Immunol. 2021 Jul 15;207(2):626-639. doi: 10.4049/jimmunol.2000573.

2020 **19-**Rodrigues TS, Alvarez ARP, Gembre AF, **Forni MF**, de Melo BMS, Alves Filho JCF, Câmara NOS, Bonato VLD. Mycobacterium tuberculosis-infected alveolar epithelial cells modulate dendritic cell function through the HIF-1α-NOS2 axis. J Leukoc Biol. 2020 Oct;108(4):1225-1238. doi: 10.1002/JLB.3MA0520-113R.

2018 **18-MF Forni**#, T Assis-Ribas#, Sheila Winnischofer, Mari Sogayar, Marina Trombetta-Lima. (# authors contributed equally). Extracellular matrix dynamics during mesenchymal stem cell differentiation. Dev Biol. May 15;437(2):63-74. doi: 10.1016/j.ydbio.2018.03.002.

2017 **17-**Carvalho AETS, Bassaneze V, **Forni MF**, Keusseyan AA, Kowaltowski AJ, Krieger JE. Early Postnatal Cardiomyocyte Proliferation Requires High Oxidative Energy Metabolism. Sci Rep. 2017 Nov 13;7(1):15434. doi: 10.1038/s41598-017-15656-3.

16-Forni MF, Peloggia J, Braga TT, Chinchilla JEO, Iannini CAN, Camara NOS, Kowaltowski AJ. Caloric restriction impacts stem cell homeostasis promoting enhanced thermoregulation through metabolic changes in the skin. Cell Reports, in press. Cell Rep. 2017 Sep 12;20(11):2678-2692. doi: 10.1016/j.celrep.2017.08.052.

15-Forni MF, Garcia-Neto W, Kowaltowski AJ. An active-learning methodology for teaching mitochondrial electron transport chain. Medical Education. August 2017 https://doi.org/10.1111/medu.13418.

14-Braga T, **Forni MF**, Correa-Costa M, Ramos R, Barbuto J, Branco P, Castoldi A, Hiyane M, Davanso M, Latz E, Franklin B, Kowaltowski AJ, and Câmara NOS. Soluble uric acid activates the NLRP3 inflammasome. Scientific Reports. (2017) Jan 13;7:39884. doi: 10.1038/srep39884

13-Luévano-Martínez LA, **Forni MF**, Peloggia J, Watanabe Li-Sei, Kowaltowski AJ. Calorie restriction activates cardiolipin biosynthesis and externalization to the outer mitochondrial membrane. Mech Ageing Dev. (2017) Mar;162:9-17. doi: 10.1016/j.mad.2017.02.004

12-Gomes KM, Costa IC, Santos JF, Dourado PM, **Forni MF**, Ferreira JC. Induced pluripotent stem cell reprogramming: Epigenetics and applications in the regenerative medicine. Rev Assoc Med Bras. (2017) Feb;63(2):180-189. doi: 10.1590/1806-9282.63.02.180.

2016 **11- Forni MF**, Chausse B, Peloggia J, Kowaltowski AJ. Bioenergetic profiling in the skin. Exp Dermatol. (2016) Feb;25(2):147-8. doi: 10.1111/exd.12856.

★ **10-Forni MF,** Peloggia J, Trudeau K, Shirihai O, Kowaltowski AJ. Murine mesenchymal stem cell commitment to differentiation is regulated by mitochondrial dynamics. Stem Cells. (2016) Mar;34(3):743-55. doi: 10.1002/stem.2248.

9-Forni MF#, Amigo I#, da Cunha FM#, Garcia-Neto W#, Kakimoto PA#, Luévano-Martínez LA#, Macedo F#, Menezes-Filho SL#, Peloggia J#, Kowaltowski AJ. Mitochondrial form, function, and signaling in aging. Review. Biochemical Journal. (2016) Oct 15;473(20):3421-3449.

2015 **8- Forni MF**, Ramos Maia Lobba A, Pereira Ferreira AH, Sogayar MC. Simultaneous isolation of three different stem cell populations from murine skin. PLoS One. (2015) Oct 13; 10: e0140143. doi: 10.1371/journal.pone.0140143.

7- Luévano-Martínez LA, **Forni MF**, dos Santos VT, Souza-Pinto NC, Kowaltowski AJ. Cardiolipin is a key determinant for mtDNA stability and segregation during mitochondrial stress. Biochim Biophys Acta. (2015) 1847(6-7): 587-98. doi: 10.1016/j.bbabio.2015.03.007.

2013 **6- Forni MF**, Loureiro RR, Cristovam PC, Bonatti JA, Gomes JAP, Sogayar MC. Comparison between different biomaterial scaffolds for human limbal derived stem cells growth and enrichment. Current Eye Research. (2013) Jan; 38(1):27-34.

5- Halcsik E, **Forni MF,** Fujita A, Verano-Braga T, Jensen ON, Sogayar MC. New insights in osteogenic differentiation revealed by mass spectrometric assessment of phosphorylated substrates in murine skin mesenchymal cells. BMC Cell Biol. (2013) Oct 22;14:47.

2012 **4- Forni MF**, Lima MT, Sogayar MC. Embryonic skin development: stem cells rising in the epidermis. Biological Research. (2012); 45(3) :215-22.

3- Lobba ARM, **Forni MF,** Carreira ACO, Sogayar MC. Differential expression of CD90 and CD14 stem cell markers in malignant breast cancer cell lines. Cytometry (2012) Dec; 81(12):1084-91.

2009 **2-**TC Carneiro-Lobo, A Mariano-Oliveira, S Konig, **MF Forni**, JM C Ribeiro, IMB Francischetti, MC Sogayar, RQ Monteiro. IXOLARIS, a potent exogenous inhibitor of factor VIIa/Tissue Factor complex blocks primary tumor growth in a glioblastoma model. J T Haemostasis (2009) 7(11) pp1855-1864.

2008 **1-**Sartori A, Garay-Malpartida, **Forni MF**, Schumacher R, Dutra F, Sogayar MC, Bechara E. Aminoacetone, a putative endogenous source of methylglyoxal, causes oxidative stress and death to insulin-producing RINm5f cells. Chem Res Toxicol. (2008) 21 (9), pp 1841-1850.

INVITED TALKS (SELECTED)

2023 **Metabolic crosstalk in the wound bed is derailed during aging.** Current Topics Leading Research in Aging. American Aging Association Annual Meeting. (June 2023)

2022 **Metabolic crosstalk in the wound bed: how adipocytes and immune cells communicate during wound healing**. Society of Investigative Dermatology.
Metabolic Crosstalk in the Wound Bed: A New Role for Adipocytes during Healing. ASCB American Society for Cell Biology – Cell Bio 2022

2021 **A central role for metabolism in the skin: two tales on how adipocytes can impact aging and healing.** Vanderbilt University Discovery Science Emerging Scholar**.** Molecular Physiology and Biophysics (MPB).Vanderbilt University.
Metabolic crosstalk in the skin: how adipocytes and immune cells communicate in the wound bed. American Society for Cell Biology – Cell Bio 2021

2020 **Adipocyte-derived fatty acids induce metabolic activation of macrophage differentiation in the wound bed.** Society of Investigative Dermatology.

2018 **How to study immunometabolism.** SBI (Brazilian Society of Immunology) International Congress. Juiz de Fora, Minas Gerais, Brazil.

2018 **Caloric restriction modulates dermal white adipose tissue precursor metabolism impacting quiescence.** Cell Biology Department Talk. Biomedicine Institute, University of São Paulo, São Paulo, Brazil.

2017 **Caloric restriction modulates dermal white adipose tissue homeostasis.** Yale Stem Cell Research Forum. New Haven, Connecticut, USA.

2016 **Stem cells and aging: How caloric restriction can modulate longevity**. Biology Week – SESBIO. Federal Institute for the Sciences and Technology. São Paulo, São Paulo, Brazil.

2015 **Mitochondrial dynamics and stem cell differentiation**. Biochemistry department, Chemistry Institute, University of São Paulo, São Paulo, Brazil.
Heat and fur: Why it matters. Biology of the Malignant Transformation. Biochemistry department, Chemistry Institute, University of São Paulo, São Paulo, Brazil.
Impact of caloric restriction on skin stem cell homeostasis. V Meeting on Metabolic syndrome. Mato Grosso University. Cuiabá, Brazil.

2014 **Short talk: Metabolism and aging of skin stem cells**. Annual Meeting of the International Society for Stem Cell Research. Vancouver, Canada.
Mitochondrial regulation of mesenchymal stem cell fate (Babraham Institute, UK - USP, UNIFESP, and UNICAMP) Maresias, São Paulo, Brazil.
Metabolic plasticity and longevity impact of stem cells during caloric restriction protocols. Biology of the Malignant Transformation. Biochemistry department, Chemistry Institute, University of São Paulo, São Paulo, Brazil.

2011 **Skin stem cell homeostasis and embryonic development: a role for oxidative stress**. In: Molecular Biology of the Malignant Transformation. Biochemistry department, Chemistry Institute, University of São Paulo, São Paulo, Brazil.

Forkhead-Homeobox-type-O (FOXO) driven epidermal embryonic morphogenesis and epidermal stem cell differentiation is glutathione-dependent and occurs through the PI3/Akt pathway. In: VII Meeting of South American Group of the SFRBM. São Pedro, São Paulo, Brazil.

2010 **Murine skin as a source of multipotent stem cells**. In: Stem Cells: Hopes, Fears, and Reality (Section: Isolation and Manipulation of Stem Cells) Berlin Brandenburg School of Regenerative Medicine. Berlin, Germany

2009 **Oxidative stress impact on skin mesenchymal stem cells**. In: Molecular Biology of the Malignant Transformation. Biochemistry department, Chemistry Institute, University of São Paulo, São Paulo, Brazil.

Isolation, characterization, and differentiation of skin stem cells. In: First Natura-NUCEL Proteomics Symposia, Cajamar, São Paulo, Brazil.

Proliferation, senescence, and death of skin stem cells. In: International Stem Cell Meeting. Incor/British Council, São Paulo, São Paulo, Brazil.

2007 **Cancer stem cells**. In: Molecular Biology of the Malignant Transformation. Biochemistry department, Chemistry Institute, University of São Paulo, São Paulo, Brazil.

EDITORIAL WORK

Reviewer/Referee activity

2022 - present Cell Reports
2019 - present Journal of Investigative Dermatology
2018 - present Frontiers in Genetics
2018 - present Frontiers in Cell and Developmental Biology
2016 - present Scientifica
2016 - present Scientific Reports
2016 - present Oxidative Medicine and Cellular Longevity
2015 - present Investigative Dermatology and Venerology Research
2015 - present PLoS ONE
2014 - present Mechanisms of Ageing and Development
2014 - present Free Radical Biology & Medicine

Editorial activity

2018 - present Review Editor (Stem Cell Research) Frontiers in Cell and Developmental Biology
2016 - present Scientific Editor (Health) Frontiers for Young Minds
2015 - present Project Reviewer - Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP)

TEACHING EXPERIENCE

2023 **Poorvu Center for Teaching and Learning**
Yale University
Teaching Certificate

Manuscrip: I developed, implemented and published an active learning methodology (gamification) for undergraduate medical doctors to learn the core concepts of the mitochondrial electron transfer chain and associated metabolism.

Forni MF, Garcia-Neto W, Kowaltowski AJ. **An active-learning methodology for teaching mitochondrial electron transport chain.** Medical Education. August 2017 https://doi.org/10.1111/medu.13418.

Teaching for undergraduate students

2014 **Invited Talk: Metabolism and stem cells: self-renewal, differentiation, and aging.**
Role: Teacher.
Undergraduate Science Week – Biology Institute, University of São Paulo, São Paulo, Brazil.

Course: DNA damage response – implications for aging and cancer.
Role: Teacher.
Biomedical Institute, University of São Paulo, São Paulo, Brazil.

2013 **Biochemistry.**
School of Nutrition
Role: Teacher assistant (TA). Coordinated practical and theoretical classes and group exercises.

Biochemistry and Molecular Biology.
Medical School
Role: Teacher assistant (TA). Coordinated practical and theoretical classes and group exercises.

2009 **VI Summer School on Molecular Biology and Biochemistry.**
Biochemistry department, Chemistry Institute, University of São Paulo, São Paulo, Brazil.

Teaching for graduate students

2022 **Yale Modern Instructor Series**
2 talks
Role: Teacher.
Topic: What I eat in a day: immune system edition! Or How metabolism informs immune cell

2016 **Principles of Flow Cytometry: a theoretical and practical course**
Role: Teacher and Course Coordinator.
Biochemistry and Molecular Biology Graduate Program
Univeristy of São Paulo

2014, 2012
Molecular Biology of the Malignant Transformation
Role: Teacher.
Biochemistry and Molecular Biology Graduate Program
Univeristy of São Paulo

2009, 2010 and 2011
Winter School on Advanced Molecular Biology and Biochemistry.
Role: Teacher.
Ministered classes about Western Blotting, Flow Cytometry and Immunofluorescence**.**
Biochemistry department, Chemistry Institute, University of São Paulo, São Paulo, Brazil.

SCIENCE OUTREACH

For middle/secondary school students
2021 and 2022
Girls in Science Education.
Yale University, New Haven, Connecticut, USA.
2011 Hands-on **Course /Workshop: Biotechnology in the classroom.**
See-Saw Panamby Bilingual School and Chemistry Institute, University of São Paulo, São Paulo, Brazil.

Interview

2021 Women in Science: Interviewing the first African American Women to be SfRBM President: Prof Phillys Dennery a Trailblazing woman in science

MENTORING

Mentoring Prize

Proteintech - Best Mentoring Award 2021
(2nd place among 50 nominees)

Undergraduate Trainees

Past

Gustavo Gross - University of São Paulo
Laura Polizel - University of São Paulo
Gabriel Antonini - University of São Paulo
Julia Peloggia - University of São Paulo
Toluwalase Oladitan - Yale University
Valerie Navarette - Yale University
Catherine Lenihan - Yale University

Current

Anthony Gabry - Summer 2023

Post-Graduate Trainees

Past

Katia Gomes - University of São Paulo (PhD student)
Luís Eduardo Gonçalves - University of São Paulo (masters student)
Thiago Steiner - University of São Paulo (PhD student)
Omar Alberto Domínguez Amorocho - University of São Paulo (PhD student)

Current

Yiting Xu - Yale University (PhD student)
Willian Krause - Yale University (PhD student)

PRESS AND POPULAR SCIENCE PUBLICATIONS

2022 ASCB December Newsletter.**Tips to promote equitable, non-toxic scientific communities.**
2021 Interview - Radical View: **Prof. Nadine Hampel**. DOT Newsletter Society for Redox Biology and Medicine (SfRBM).
2020 ASCB June Newsletter. **How scientific trainees can navigate the hurdles imposed by COVID-19: an interview with Sharon Milgram**.
Interview - Radical View: **Prof. Kivanc Birsoy**. DOT Newsletter Society for Redox Biology and Medicine (SfRBM).
2018 Interview - Radical View: **Prof. Ines Batinic-Haberle**. DOT Newsletter Society for Redox Biology and Medicine (SfRBM).
Interview - Radical View: **Prof. Mike Murphy**. DOT Newsletter SfRBM.
2017 Interview - Radical View: **Prof. Ohara Augusto**. DOT Newsletter SfRBM.
2015 Short article **Mitochondria can dictate your fate, especially if you are a stem cell.** Redoxoma Newsletter.
Short article: **Stem Cell Fate.** FAPESP Magazine.
Short article: **Mitochondrial dynamics regulate mesenchymal stem cell fate.** Authors: Maria Fernanda Forni, Alicia Kowaltowski, and Maria Celia Wider. CEPID Redoxoma Newsletter.

MEMBERSHIP & SERVICE - DIVERSITY, EQUITY AND INCLUSION

2023 **Talk: Women in Science: A journey of empowerment of female scientists in Academia**
- Butanta Institute - Dept of Biotechnology (march)
- Unifesp - Dept of Microbiology (March)

American Aging Association - Elected Trainee Chapter Treasurer

2020 – 2022 **MCDB Yale Diversity Committee (**Molecular Cellular and Dev Biology Department**)**
- Founding member
- 5-year Plan for development of the DEI iniciative on MCDB
- **Prize:** MCDB Certificate of Recognition for Enhancing Diversity, Equity and Inclusion

2022 **CellBio 2022 - Poster judge - Minority Affairs Committee**

2021 **Intersections Science Fellows Symposium**
- Selection Committee
- Organizing Committee - Panel lunch with the new PIs: organized and moderated

2020-present **WICB - Women in Cell Biology - ASCB**
- Board Member 2020 - current.
- 2020 - "Mentoring for Diversity" (organization board).
- 2021 - "Gender diversity in cell biology, what have we achieved and where are we still failing?" (organization board).
- 2022 - "How to be a good citizen in the lab" (organization board).
- 2023 - Session under construction theme: Hidden curriculum (organization board).

2020- present **SfRBM Meeting Opening Doors Event for the Women in Science Committee (WIS)** - Society for Redox Biology and Medicine (SfRBM).
- 2020 – "How to be a champion for diversity" (event president and main coordinator).
- 2021– "Mentoring matters – mentoring for inclusion and diversity"(event president and main coordinator).
- Those actually granted me the **SFFRi Society for Free Radicals Research International Prize for Women in Science Advocacy** on March 2021.

2019 – present **WISAY- Women in Science at Yale**
- Board Member 2019 - present
- Postdoctoral Mentoring Program Coordinator 2021 - present
- "BIPOC trailblazing women highlight series" that aired on Twitter and Facebook highlighting women or women identifying scientists focusing on BIPOC and transgender scientists.

2018 – 2020 **Elected Young council Board (term 2 years).** Society for Redox Biology in Medicine.

2017 **Yale BioMed SURF Program Summer for Underrepresented Minorities** - Mentored ungraduated student Toluwalase Oladitan

2017 – 2020 **Dot Newsletter Board.** Society for Redox Biology and Medicine (SfRBM).

2015 – present **Women in Science Committee (WIS)** - Society for Redox Biology and Medicine (SfRBM).

2016 – present **Member American Society for Cell Biology**.

2015 – present **Member International Society for Stem Cell Research**.

2014 – present **Member Society for Redox Biology in Medicine**.

REFERENCES

Dr. Mari Cleide Sogayar
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