

CURRICULUM VITAE

MEDEVA GHEE

PERSONAL INFORMATION

The Leadership Alliance
Brown University
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Medeva_Ghee@brown.edu

EDUCATION

1991 B.S., Zoology, North Carolina State University
1993 M.S., Microbiology, New York University School of Medicine
1997 Ph.D., Microbiology, New York University School of Medicine
2004 Postdoctoral Fellowship, Hopital de la Pitie Salpetriere, Paris France

ACADEMIC APPOINTMENTS

2013-2014 Teaching Associate, Department of Behavioral and Social Sciences, Brown University
2014-2019 Assistant Professor of the Practice of Behavioral and Social Sciences, Brown University

OTHER APPOINTMENTS

2011-2019 Executive Director, The Leadership Alliance, Brown University
2010-2011 Interim Executive Director, The Leadership Alliance, Brown University
2008-2010 Associate Director, The Leadership Alliance, Brown University
2006-2008 Assistant Director, The Leadership Alliance, Brown University
2005-2006 Laboratory Systems Specialist, Clinton Foundation, HIV/AIDS Initiative

HONORS AND AWARDS

2017 Inspiring Leaders in STEM Award
2012 Recipient, Ruth J. Simmons Leadership Award
2007 Recipient, Mellon Mays Undergraduate Fellowship Mentor Award
2002-2004 Subvention de la Fondation de France Comite Parkinson, (Competitive grant awarded by Parkinson Foundation of France)

DEPARTMENT, CENTER, AFFILIATED HOSPITAL, OR UNIVERSITY SERVICE

Department Service

2014 Global Health Colloquium, *Innovation in Tackling Global Health Care Challenges: The Role of Brown University & Its Partners*, Organizer
2014-2015 Diversity Working Group, Member
2016-2019 iBSHS Speaker Series Committee, Member
2017-2019 BSBS PhD Admissions Committee, Member

University Service

2006-2019	Mellon Mays Undergraduate Fellowship Program Advisory Board, Member
2006-2016	African American, Latino, Asian American, Native American (ALANA), Mentor
2006-2019	Brown University Short-Term Summer Research Program to Increase Diversity, Member, Co-Director (2017)
2011-2012	Search Committee Member for Associate Provost and Director of Institutional Diversity
2011-2019	Brown University Initiative to Maximize Student Development, Member
2011-2019	NIH NHLBI R25 Training Grant Advisory Board
2012-2019	Brown-Tougaloo Partnership, Diversity Advisory Council, Member
2016-2019	Brown University Postbaccalaureate Research Education Program, Co-Director

NATIONAL OR INTERNATIONAL SERVICE**National Service**

2007	National Science Foundation Educational Programs, Reviewer
2012-13	National Science Foundation Educational Programs, Reviewer
2015-18	National Science Foundation Educational Programs, Reviewer
2015-2019	The Leadership Alliance Innovative Programs to Enhance Research Training, Director
2016-2019	The Leadership Alliance National Symposium, Director
2017-2019	UNCF/Mellon Programs Advisory Board, Member

Journal Manuscript Reviewer

2019	<i>Ethnicity and Disease</i>
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International Service

2015	Contractor, Clinton Health Access Initiative: <i>Supporting the Government to develop "A Costed National Operational Plan for the Male Medical Circumcision (MMC) Program in South Africa"</i>
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SERVICE TO OTHER INSTITUTIONS

2010-2014	Minority Health International Research Training Program Advisory Board, Johns Hopkins University, Member
2012-2019	Integrative Organismal Systems Physiology Program Advisory Board American Physiological Society, Member
2014-2019	California Alliance for Graduate Education and the Professoriate (CA-AGEP), External Advisory Committee, Member
2015-2019	Xavier University of Louisiana, NIH BUILD External Advisory Committee, Member
2017-2019	Fisk University CREST BioSS Center External Advisory Committee, Member

PUBLICATIONS

1. Miller, D. M., Shen, M., Shamu, C., Burglin, T., Ruvkin, G., Dubois, **M.**, **Ghee**, M., Wilson, L. (1992) C. Elegans unc-4 gene encodes a homeodomain protein that determines the pattern of synaptic input to specific motor neurons. *Nature* 355: 841-845.

2. **Ghee, M.**, Baker, H., Miller, J., and Ziff, E.B. (1998) The AP-1, CREB and CBP transcription factors differentially regulate the tyrosine hydroxylase gene. *Brain Research Molecular Brain Research* 55: 101-114.
3. **Ghee, M.**, Fournier, A., and Mallet, J. (2000) Rat alpha-synuclein interacts with Tat Binding Protein 1, a component of the 26S proteasomal complex. *Journal of Neurochemistry* 75: 2221-2224.
4. **Ghee, M.**, Liu, C., Thomas, P.J., DeMartino, G.N., Melki, R., Michot, N. and Mallet, J. (2004) PA700, the regulatory complex of the 26S proteasome, interferes with alpha-synuclein assembly. *FEBS Journal*.
5. **Ghee, M.**, Collins, D., Wilson, V. and Pearson, W. P. (2014) The Leadership Alliance: Twenty Years of Developing a Diverse Research Workforce. *Peabody Journal of Education*, 89:3, 347-367.
6. **Ghee, M.**, Keels, M., Collins, D., Neal-Spence, C. and Baker, E. (2016) Fine-Tuning Summer Research Programs to Promote Underrepresented Students' Persistence in STEM Pathway. *CBE-Life Sciences*, vol. 15 no. 3 ar28.

INVITED PRESENTATIONS

National

1. Ghee, M., *The Leadership Alliance: Innovation Through Collaborations*, Mellon Mays Undergraduate Fellowship 30th Anniversary Conference, New York, NY, March 2019.
2. Ghee, M., *The Leadership Alliance: A Continuum of Mentoring Leads to a Legacy of Scholars*, National Science Foundation Alliance for Graduate Education and the Professoriate National Conference, Coeur d'Alene, ID, May 2019.
3. Ghee, M., *The Leadership Alliance: Removing barriers to accelerate the diversification of the research workforce*, PITT STRIVE National Science Foundation Alliance for Graduate Education and the Professoriate Conference, Wheeling, WV, August 2019.

International

1. Leggon, C. and Ghee, M., *Creating a Community of Scholars: The Leadership Alliance*, 18th International Conference on Learning, University of Mauritius, July 2011.
2. Adams, J., Barabino, G. and Ghee, M. *Promoting Higher Education Internationalization through International Research Collaborations, Partnerships and Innovative Teaching International Undergraduate Research Experiences for U.S. and International Students*, 16th Annual International Education Association of South Africa, Cape Town, SA, August 2012.
3. Ghee, M., Adams, J. and Barabino, G., *Best practices to evaluate multi-institutional enrichment programs*, 12th International Conference on Learning, University of the Aegean, Rhodes, Greece, July 2013.

4. Ghee, M. *The Leadership Alliance: An Effective Model for Social Justice in Higher Education*, 7th Annual Global Studies Conference, Shanghai University, Shanghai, China, June 2014.

OTHER PRESENTATIONS

1. Ghee, M., Gates, J.S., Ramirez, A.G., *Transforming Discrete Diversity Initiatives into a Plan for Educational Excellence for All*, Embracing Diversity: A Pathway to a Truly Inclusive Democracy and Global Society, Yale Bouchet Conference on Diversity in Graduate Education, March 2009.
2. Ghee, M. *The Leadership Alliance: Mentoring Across the Critical Transitions*, Council for Opportunity in Education, San Diego, CA, September 2010.
3. Ghee, M. *Opportunities for a Successful Postdoctoral Experience*, Annual Biomedical Research Conference for Minority Students, Charlotte, NC, November 2010.
4. Ghee, M. *The Leadership Alliance: Multi-institutional Partnership Representing an Innovative Collaboration among Majority and Minority-serving Institutions*, Understanding Interventions that Broaden Participation in Research Careers, Bethesda, MD, May 2011.
5. Ghee, M. U.S. Government Accountability Office, Panel Event: Women in STEM Professions, Boston, MA, March 2014.
6. Lowy, M.E., Bruthers, B., Ghee, M., Schultz, J., *Undergraduate Summer Research Programs: Models for Success*, Council on Undergraduate Research Conference, Washington, DC, June 2014.
7. Brown, M.C., Ghee, M., Martin, H., McDonald, N. *Student Success: Preparing Undergraduate Students for and Beyond Degree Completion*, Association of Public and Land-grant Universities Annual Meeting, November 2015.
8. Ghee, M., Nnakwe, C., Sode, O., *Cultivating Inter-institutional Collaborations to Advance Research Excellence through Diversity*, Association of American Colleges & Universities, Washington, DC, January 2015.
9. Ghee, M., *The Leadership Alliance*, Provost Workshop on Moving the Needle on Diversity in the Biomedical Workshop, Boston University, October 2016.
10. Ghee, M., Keels, M., Poston, C., Bradley, D., Lawrence, B., Reeves, R.D., Don C. Brunson, D.C. *The Leadership Alliance Synergistic Network to Enhance Research that Grows Innovation (SYNERGI)*, NIH/NIGMS Training, Workforce Development and Diversity (TWD) Program Directors' Meeting, June 2017.
11. Ghee, M., Micere Keels, M., Neal-Spence, C., Baker, E., Evans, E., Poston, C. *Fine-tuning summer research programs to increase underrepresented students' scientific identity*, American Society for Cell Biology (ASCB) Annual Meeting, Phila. PA., March, 2017.

12. Ghee, M., Rose, J., Smith, R., Williams, D. *Approaches to Engaging Institutions in Discussions on Incorporating Diversity and Inclusion Practices in the Classroom: Lessons Learned from the Leadership Alliance*, Faculty Resource Network Symposium, New Orleans, LA, November 2017.
13. Luna, R., Ghee, M., James, A.M., Jones, H. *I Wish My Mentor Knew Mentor...* ABRCMS, Phoenix, AZ, November 2017.
14. Ghee, M., Buckles, E., Brunson, D. C., Wynn, W., *Engaging First Year Students in Research Experiences*, Society for the Advancement of Chicanos and Native Americans in Science, San Antonio, TX, October 2018.
15. Ghee, M., Sharif, W. and Brunson, D. *Improving Job Market Preparation through Skill-Building and Mentoring Workshops*, Understanding Interventions that Broaden Participation in Research Careers, Bethesda, MD, March 2018.

GRANTS

Current Grants

1. NIH 1R25GM125500-01
 - Title: Brown University Postbaccalaureate Research Education Program
 - Role: co-PD/PI (*Authored Grant*)
 - Agency: NIGMS
 - Period: 07/01/2018 – 06/30/2022
 - Total Award: Brown: \$2,072,584
 - Objective: To increase the number of individuals from underrepresented backgrounds who enter and complete doctoral programs in the biomedical and behavioral sciences.
2. NIH 2R25HL088992-11
 - Title: Short-Term Training Program to Increase Diversity in Health-Related Research
 - Role: co-PD/PI
 - Agency: NHLBI
 - Period: 07/01/2017 – 06/30/2022
 - Total Award: Brown: \$101,258
 - Objective: To provide research experiences for underrepresented students in the biomedical sciences.
3. NIH 1R13GM116475-01
 - Title: The Leadership Alliance National Symposium
 - Role: PD/PI (*Authored Grant*)
 - Agency: NIGMS
 - Period: 4/01/2016 – 3/31/2019
 - Total Award: Brown: \$1,156,583
 - Objective: To enhance the progression of a diverse group of trainees along doctoral training pathways and into the research workforce.

4. NIH 1R25GM114021-01
 - Title: The Leadership Alliance Innovative Programs to Enhance Research Training (TLA-IPERT)
 - Role: PD/PI (*Authored Grant*)
 - Agency: NIH/NIGMS
 - Period: 9/22/2015 – 6/30/2018
 - Total Award: Brown: \$1,283,147
 - Objective: To develop skill-building, mentoring and outreach strategies that will promote and enhance diversity in the biomedical, behavioral, clinical and social sciences workforce.

5. The Andrew W. Mellon Foundation
 - Title: Building Capacity in the Leadership Alliance Summer Research Programs for Minority Undergraduates in the Humanities and Social Sciences
 - Role: PD/PI (*Authored Grant*)
 - Agency: The Andrew W. Mellon Foundation
 - Period: 10/01/2018 – 9/30/2022
 - Total Award: \$1,250,000
 - Objective: To provide a quality research experience for minority undergraduates interested in pursuing doctoral level training in the humanities and social sciences.

6. The Onassis Foundation
 - Title: Onassis Foundation Scholars Program
 - Role: PD/PI (*Authored Grant*)
 - Agency: The Onassis Foundation
 - Period: 04/01/2019 – 03/30/2022
 - Total Award: \$42,000
 - Objective: To provide a quality research experience for minority undergraduates interested in pursuing doctoral level training in the Greek/Hellenic fields.

7. The Titus Foundation
 - Title: Building Capacity in the Leadership Alliance Summer Research Programs for Minority Undergraduates in the Humanities and Social Sciences
 - Role: PD/PI (*Authored Grant*)
 - Agency: The Andrew W. Mellon Foundation
 - Period: 07/01/2018 – 06/30/2022
 - Total Award: \$51,000
 - Objective: To provide a quality research experience for first year minority undergraduates interested in pursuing doctoral level training in the humanities and social sciences.

Completed Grants

1. The Andrew W. Mellon Foundation
 - Title: Building Capacity in the Leadership Alliance Summer Research Programs for Minority Undergraduates in the Humanities and Social Sciences
 - Role: PD/PI (*Authored Grant*)
 - Agency: The Andrew W. Mellon Foundation
 - Period: 9/23/2009 – 9/23/2017

- Total Award: \$1,500,000
Objective: To provide a quality research experience for minority undergraduates interested in pursuing doctoral level training in the humanities and social sciences.
2. NIH 2T36 GM063480-06A1
Title: Leadership Alliance National Symposium (LANS)
Role: PD/PI
Agency: NIH/NIGMS
Period: 7/01/2010 – 6/30/2015
Total Award: \$1,862,638
Objective: This project supports LANS - an annual symposium for 300 undergraduates, 50 75 graduate students and 50 faculty/administrators - each year for 5 years.
3. NSF Integrative Organismal Systems (IOS)
Title: IOS BP: Integrating and Leveraging IOS Networks to Facilitate the Development of URM in IOS Career Paths
Role: co-PD/PI
Agency: NSF (IOS-1249925)
Period: 9/01/2012 – 8/31/2017
Total Award: \$533,918; Brown: \$124,391
Objective: To increase participation and retention of underrepresented students into graduate programs in IOS fields.
4. NSF Alliance for Graduate Education and the Professoriate Planning Grant
Title: Piloting an Inter-Ivy League Alliance for Graduate Education and the Professoriate
Role: co-PD/PI (*Authored Grant*)
Agency: HRD-1111162
Period: 7/1/2011-6/30/2012
Total Award: \$150,000
Objective: To design, pilot, and rigorously evaluate an intensive program of professional development, skills-building, mentoring, and career training activities that will increase the number of graduate students and postdocs entering the professoriate in STEM disciplines
5. Council of Graduate Schools
Title: Brown University Completion and Attrition in AGEP and non-AGEP Institutions Grant Proposal
Role: Project Director
Agency: NSF (1138814)
Period: 4/01/2012 – 7/31/2013
Total Award: \$30,000
Objective: To support a national research focus on this topic; to learn more about and inform our own efforts in this area; to initiate similar work within our institution and LA member institutions.

6. Eli Lilly Company and Foundation

Title: Lilly Scholars Program: Preparing Tomorrow's Leaders in the Biomedical Sciences
 Role: PD/PI (*Authored Grant*)
 Agency: Eli Lilly and Company Foundation
 Period: 7/01/2009 – 6/30/2012
 Total Award: \$150,000
 Objective: The Lilly Scholars Program supports summer research opportunities for students who have demonstrated their aptitude for research by their successful completion of at least one prior SR-EIP summer experience at Leadership Alliance institutions.

7. NIH T36 GM08755-08S1

Title: Partnership for Minority Science Education (PMSE)
 Role: PD/PI
 Agency: NIH/NIGMS
 Period: 5/1/2006 – 6/30/2011
 Total Award: \$2,596,223
 Objective: The PMSE supports the Summer Research Early Identification Program and provides ancillary training opportunities for undergraduates, support for formative and summative evaluation process, and maintains tracking efforts for past and present participating students.

UNIVERSITY TEACHING AND MENTORING ROLES

2009 Guest Lecturer, Biology of AIDS, Brown University
 Guest Lecturer, Young Women and Leadership Course, Leadership Institute, Brown University
 2013-2019 Instructor, PHP 1400 HIV/AIDS in Africa: A Multidisciplinary Approach to Support HIV/AIDS Care and Treatment Programs in Sub-Saharan Africa, Brown University
 2015-2016 Thesis Advisor, Brown University Independent Study: Innovative Financing for HIV/AIDS Programs: A comparative analysis of Innovative Financing strategies used for HIV/AIDS programs in India and South Africa
 2016-2017 Thesis Advisor, Brown University Independent Study: Drug Resistance in India's HIV/AIDS Population and its Policy Implications
 2018-2019 Thesis Advisor, Brown University Independent Study: HIV in South Africa: The Influence of Denialism and the Future of HIV Treatment