

Charly ABI GHANEM, PhD
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 last updated 10/29/2025

Academic Positions:

Assistant Professor , Psychology Department, Binghamton University, Binghamton, NY	2025-present
Research Associate , Department of Neuroscience and Experimental Therapeutics, Albany Medical College, Albany NY	2023-2025
Postdoctoral Fellow , Zuloaga Lab, Albany Medical College, Albany NY	2019-2023
Postdoctoral Fellow , Ranscht Lab, Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA	2017-2019

Education & Training

Alzheimer's FastTrack workshop offered by the BrightFocus foundation in Chicago IL	Oct 2024
Ph.D. in Cellular and Molecular Biology specialty: Neuroscience Faculty of Medicine, Université Paris-Saclay, Kremlin-Bicêtre (France) Subject: The role of the androgen receptor in the sexual dimorphism and repair of myelin Mentor: AM. GHOUARI Ph.D.	2016
University Diploma (Certificate) in Translational Neuroscience Faculty of Medicine, Université Paris-Saclay, Kremlin-Bicêtre (France)	2015
MS in Reproduction and Development Faculty of Biology, Université Paris Diderot, Paris (France)	2012
MS in Human Reproduction and Assisted Reproduction Techniques Faculty of Biology, Lebanese University, Hadath (Lebanon)	2011
B.S. in Earth and Life Sciences Faculty of Biology, Lebanese University, Fanar (Lebanon)	2009

Funding:

BrightFocus Foundation, Postdoctoral Fellowship (A2022001F) Program in Alzheimer's Disease Research (200,000.00 USD)	2022-2025
MetP Pharma, predoctoral fellowship	2015-2016
IDEX (Initiative D'EXcellence) predoctoral scholarship from Université Paris-Saclay, France (highly competitive fellowship)	2012-2015

Honors and awards:

Nutrition, Metabolism and Dementia ISTAART PIA, selected oral presentation	July 2024
Travel award, 18 th annual meeting of the Organization for the Study of Sex Differences (OSSD)	May 2024
Georges Bartzokis award at the Charleston Conference on Alzheimer's Disease (New Vision Research Foundation)	March 2024
Best Speaker Award at the 2023 Annual CDPA Research Symposium, Albany NY	September 2023
Capital District Best and Brightest postdoc award	September 2022
Florence Haseltine best postdoc poster award at the 16 th annual conference of the OSSD	May 2022
Elected young investigator/trainee council member of the OSSD	2022-2024
Sex and Gender ISTAART PIA, selected oral presentation	September 2021
Travel award for the 15 th annual meeting of the OSSD	May 2021
Invited talk at Albany Medical Center's Neuroscience Grand Rounds	October 2020
Selected oral presentation at "BioSigne doctoral school" symposium	September 2016

Teaching and outreach:

Member of the "Hospital Wide DEI Committee" at Albany Medical Center	2025
Volunteer at the Research Tent at the Capital Region Walk to End Alzheimer's	2022,2024
Guest lecturer (virtual) "Special topics in Biology" Upper level Seminar class Huston-Tillotson University, Austin Texas	March 2023
Leveraging career development opportunities to advance your professional goals: a personal experience.	
Talk at the CDPA 2nd Annual Postdoc Research Symposium	September 2022
Neural Stem Cell Institute Rensselaer NY	
Writing methods and results sections of a research paper part of the Next Gen Neuroscience Summer Program at Albany Medical College	July 2022
<i>Multiple sclerosis</i> . Lecture as part of NEU 600 Disorders of the Nervous System class for graduate students at Albany Medical College	2021-present
<i>Development of the nervous system</i> . Lecture part of the NEU605 Neuroanatomy class for graduate students at Albany Medical College	2021-2022
Pen Pal at Letters for a Pre-scientist outreach program	2020-2024
Conceived a lecture covering theoretical and practical aspects of quantitative PCR as part of the Department of Neuroscience and Experimental Therapeutics technique of the week series and the Next Gen Neuroscience Summer Program at Albany Medical College	2020-present
Volunteer, Albany Brain Bee	2020
Member of Sanford Burnham Prebys Social Network	2018-2019
Workshops for the Brain Awareness Week at "Palais de la découverte" Paris (France)	2014-2015

Mentoring:

- Grace Martino, undergraduate SUNY Binghamton (1 co-author manuscript)	2025-present
- Lawrence Hao, undergraduate SUNY Binghamton (1 co-author manuscript)	2025-present
- Alex Opiela, BS Boston University, Boston, MA	2024-2025
Current position: Albany Medical College internship (1 co-author manuscript)	
- Shaya Gerber: Holy Names high school student	2024-2025
Current position: Holy Names high school student (1 co-author manuscript)	
- Jeanette Ward, SUNY Albany	2024
Current position: Biology undergrad	
- Glennis Cho, Albany Medical College summer internship	2024
Current position: high school student	
- Caitlin Valerian, Albany Medical College summer internship	2024
Current position: undergraduate student (1 co-author paper)	
- Riane Nikita Richard, Albany Medical College,	2023-2025
Current position: MDDR student (1 co-author paper)	
- Rachel Smith, B.S. SUNY Binghamton, Technician in the Zuloaga lab 4 months 25% salary provided by my BrightFocus foundation fellowship (3 co-author papers)	2023-2024
Current position: graduate student at Fordham University	
- Aaron Paul, Albany Medical College,	2023-2025
Current position: medical student (2 co-author papers and 1 manuscript)	
- Sanaa Malik, Albany Medical College,	2022
Current position: medical student Albany Medical College	
- Maher Salem MD, Lebanese American University,	2021-2022
Current position: Resident at OSF Illinois Neurological Institute	
- Avi Sura, Rensselaer Polytechnic Institute,	2020-2023
Current position: Medical student Albany Medical College (2 co-author papers and 1 manuscript)	

Award: Lapsley Memorial Scholarship Fund by the Muhlenberg Foundation 2022

Alpha Omega Alpha ,Carolyn L. Kuckein Student Research Fellowship 2023

- Nyi-Rein Kyaw, Rensselaer Polytechnic Institute, 2020-2023
Next position: Medical student Albany Medical College (3 co-author papers and 1 manuscript)

- Matthew Wang, Rensselaer Polytechnic Institute, 2020-2021

Next position: MDDR student (1 co-author paper)

- David Kordit, Rensselaer Polytechnic Institute, (2 co-author papers) 2019-2024

Next position: Medical student Albany Medical College

Award: Medical School Investigation Day 2020, selected to represent AMC at Eastern-Atlantic Student Research Forum 2021

- Rachele Berch, University of California San Diego, 2018-2019

Next Position: Medical Student

- Lilly Nguyen, University of California San Diego, 2017-2019

Next Position: Medical Student

- Lihen Yu, University of Paris-Saclay, 2015-2016

Next Position: Graduate Student

- Nihal Sarah, University of Paris-Saclay, 2014-2015

Next Position: Graduate Student

Professional Service:

Independent Peer Review: *Frontiers in Aging, Alzheimer's & Dementia: Translational Research & Clinical Interventions, Stem Cell Reports, Journal of Neuroinflammation, Neurobiology of disease, Journal of Alzheimer's Disease, Frontiers in Cellular Neuroscience*

Topic Editor for *Frontiers in Cellular Neuroscience*: 2024-present

"Reviews in non-neuronal cells".

Award committee member *Biology of Sex Differences* journal 2024

Program committee member OSSD annual meeting 2023, 2024

Communications committee OSSD 2022-2024

Medical Student Investigations Day, Poster Judge, Albany Medical College 2023

Thesis committee member for 3 medical students (Sura, Avi; Yalamanchili, Anish and Brar, 2021-2023

Simrandeep) in the Medical Doctor with Distinction in Research program

Review Editor on the Editorial Board of Aging, Metabolism and Redox Biology 2020-present

(Specialty section of Frontiers in Aging).

Poster Day Judge, Albany Medical College 2020-2023

Supervised peer reviewer under mentorships of Dr. Ranscht and Dr. Zuloaga 2019-2021

Moderator, SBP career day May 2018

Leadership and Management:

Young investigator/trainee council member of the OSSD (elected 2-year term) 2022-2024

Cofounder and secretary/treasurer of the Capital District Postdoc Association 2020-2025

Torrey Pines Expanding Leadership Development Program 2022

Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA (virtual)

Torrey Pines Foundations in Leadership Development Program 2020-2021

Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA (virtual)

Mentor at the Next Gen Neuroscience Summer Program at Albany Medical College 2020-2024

Peer reviewed publications:

Full list of publications can be found here:

<https://www.ncbi.nlm.nih.gov/myncbi/charly.abi%20ghanem.2/bibliography/public/>

1. **Charly Abi-Ghanem**, Richard D. Kelly, Caitlin G. Valerian, Aaron S. Paul, Christina A. Thrasher, Abigail E. Salinero, Jennifer J. Lafrican, Emily A. Groom, Matthew Wang, Molly R. Batchelder, Rachel M. Smith, Sally Temple, Damian G. Zuloaga, and Kristen L. Zuloaga. Submitted Interactions between menopause and high-fat diet on cognition and pathology in a mouse model of Alzheimer's disease. **2025** *Alzheimer's & Dementia: The Journal of the Alzheimer's Association* 10.1002/alz.70026
2. **Charly Abi-Ghanem**, Abigail E. Salinero, Rachel M. Smith, Richard D. Kelly, Kasey M. Belanger, Riane N. Richard, Aaron S. Paul, Ava A. Herzog, Christina A. Thrasher, Krystyna A. Rybka, David Riccio, Olivia J. Gannon, David Kordit, Nyi-Rein Kyaw, Febronia M. Mansour, Emily Groom, Heddwen L. Brooks, Lisa S. Robison, Damian G. Zuloaga, and Kristen L. Zuloaga. Effects of menopause and high fat diet on metabolic outcomes in a mouse model of Alzheimer's disease. **2024** *Journal of Alzheimer's Disease* 10.3233/JAD-231332
3. Abigail E. Salinero, Harini Venkataganesh, **Charly Abi-Ghanem**, David Riccio, Richard D. Kelly, Olivia J. Gannon, Avi Sura, Heddwen L. Brooks, Damian G. Zuloaga, and Kristen L. Zuloaga. Effects of High Fat Diet on Metabolic Health Vary by Age of Menopause Onset. **2024** *International Journal of Obesity* 10.1038/s41366-024-01618-z
4. Abigail E. Salinero*, **Charly Abi-Ghanem***, Harini Venkataganesh, Avi Sura, Rachel Smith, Christina Thrasher, Richard D. Kelly, Katherine Hatcher, Vanessa NyBlom, Victoria Shamlian, Nyi-Rein Kyaw, Kasey Belanger-Mayer, Olivia J. Gannon, Shannon Stephens, Damian G. Zuloaga and Kristen L. Zuloaga. Brain Specific Estrogen Ameliorates Cognitive Effects of Ovariectomy Induced Menopause. * equal contribution **2024** *Hormones and Behavior* 10.1016/j.yhbeh.2024.105594
5. Narimène Asbelaoui, **Charly Abi-Ghanem**, Géraldine Schlecht-Louf, Cindy Degerny, The Netherlands Brain Bank, Michael Schumacher and Abdel M. Ghomari. Interplay between androgen and CXCR4 chemokine signaling in myelin repair. **2024** *Acta Neuropathologica Communications* 10.1186/s40478-024-01730-1
6. Jiayue Hong*, Jules M. Kirkland*, Jenica Acheta*, Leandro N. Marziali, Brianna Beck, Haley Jeanette, Urja Bhatia, Grace Davis, Jacob Herron, Clémence Roué, **Charly Abi-Ghanem**, M. Laura Feltri, Kristen L. Zuloaga, Marie E. Bechler, Yannick Poitelon#, Sophie Belin#. YAP and TAZ regulate remyelination in the central nervous system. **2023** *Glia* 10.1002/glia.24467
7. Lisa S. Robison, Olivia J. Gannon, Abigail E. Salinero, **Charly Abi-Ghanem**, Richard D. Kelly, David A. Riccio, Febronia M. Mansour, Kristen L. Zuloaga. Sex Differences in Metabolic Phenotype and Hypothalamic Inflammation in the 3xTg-AD Mouse Model of Alzheimer's Disease. **2023** *Biology of sex Differences* 10.1186/s13293-023-00536-5
8. Gannon OJ, Naik JS, Riccio D, Mansour FM, **Abi-Ghanem C**, Salinero AE, Kelly RD, Brooks HL, Zuloaga KL. Menopause causes metabolic and cognitive impairments in a chronic cerebral hypoperfusion model of vascular contributions to cognitive impairment and dementia. **2023** *Biology of sex Differences* 10.1186/s13293-023-00518-7
9. **Abi-Ghanem C***, Salinero AE*, Kordit D, Mansour F, Kelly RD, Venkataganesh H, Kyaw N, Gannon OJ, Riccio D, Poitelon Y, Belin S, Kopec A, Robison LS and Zuloaga KL. Sex Differences in the Effects of High Fat Diet on Underlying Brain Pathology in a Mouse Model of VCID. *equal contributions **2023** *Biology of sex Differences* 10.1186/s13293-023-00513-y
10. **Abi-Ghanem C**, Jonnalagadda D, Chun J, Kihara Y, Ranscht B. CAQK, a peptide associating with extracellular matrix components targets sites of demyelinating injuries. **2022** *Front. Cell. Neurosci.* 10.3389/fncel.2022.908401
11. Gannon OJ, Robison LS, Salinero AE, **Abi-Ghanem C**, Mansour Fm, Kelly RD, Tyagi A, Brawley RR, Ogg JD, Zuloaga KL. High-fat diet exacerbates cognitive decline in mouse models of Alzheimer's disease

and mixed dementia in a sex-dependent manner. **2022** Journal of Neuroinflammation 10.1186/s12974-022-02466-2

12. Robison LS, Gannon OJ, Thomas MA, Salinero AE, **Abi-Ghanem C**, Poitelon Y, Belin S, Zuloaga KL. Role of sex and high-fat diet in metabolic and hypothalamic disturbances in the 3xTg-AD mouse model of Alzheimer's disease. J Neuroinflammation. **2020** Sep 29;17(1):285. 10.1186/s12974-020-01956-5

*Featured in A Month in Neurodegenerative Disease Research Podcast, episode #103.

13. Salinero AE, Robison LS, Gannon OJ, Riccio D, Mansour F, **Abi-Ghanem C**, Zuloaga KL. Sex-specific effects of high-fat diet on cognitive impairment in a mouse model of VCID. FASEB J. **2020**. 10.1096/fj.202000085R

14. Robison LS, Albert NM, Camargo LA, Anderson BM, Salinero AE, Riccio DA, **Abi-Ghanem C**, Gannon OJ, Zuloaga KL. High Fat Diet-Induced Obesity Causes Sex-Specific Deficits in Adult Hippocampal Neurogenesis in Mice. **2020** eNeuro. 10.1523/ENEURO.0391-19.2019

** recommended by F1000 prime, featured as one of the "most-shared" articles in eNeuro for Fall 2019

15. Dubessy AL, Mazuir E, Rappeneau Q, Ou S, **Abi-Ghanem C**, Piquand K, Aigrot MS, Th  tiot M, Desmaz  res A, Chan E, Fitzgibbon M, Fleming M, Krauss R, Zalc B, Ranscht B, Lubetzki C, Sol-Foulon N. Role of a Contactin multi-molecular complex secreted by oligodendrocytes in nodal protein clustering in the CNS. Glia. **2019** 10.1002/glia.23681

16. **Abi-Ghanem C.**, Degerny C, Hussain R, Li  re P, Pianos A, Tourpin S, Habert R, Macklin WB, Schumacher M, Ghomari AM. Long-lasting masculinizing effects of postnatal androgens on myelin governed by the brain androgen receptor. PLoS genetics. **2017** 10.1371/journal.pgen.1007049

17. Bielecki B, Mattern C, Ghomari AM, Javaid S, Smietanka K, **Abi-Ghanem C**, Mhaouty-Kodja S, Ghandour MS, Baulieu EE, Franklin RJ, Schumacher M, Traiffort E. Unexpected central role of the androgen receptor in the spontaneous regeneration of myelin. Proc Natl Acad Sci U S A. **2016** 10.1073/pnas.1614826113

Review articles:

1. **Abi-Ghanem C**, Robison LS, Zuloaga KL. Androgens' effects on cerebrovascular function in health and disease. Biol Sex Differ. **2020** Jun 30;11(1):35. 10.1186/s13293-020-00309-4
2. Ghomari AM, **Abi Ghanem C**, Asbelaoui N, Schumacher M, Hussain R. Roles of Progesterone, Testosterone and Their Nuclear Receptors in Central Nervous System Myelination and Remyelination. Int J Mol Sci. **2020** Apr 30;21(9):3163. 10.3390/ijms21093163

Submitted manuscripts and preprints:

1. **Charly Abi-Ghanem**, Alex K. Opiela, Nyi-Rein Kyaw, Abigail E. Salinero, Febronia M. Mansour, Richard D. Kelly, Ann M. Mutahi, Avi Sura, Christina A. Thrasher, Aaron S. Paul, McKenzie L. Comito, Emily A. Groom, Molly R. Batchelder, and Kristen L. Zuloaga. Loss of Ovarian Hormones is Detrimental in Early Disease Stages of Mouse Models of Alzheimer's Disease and Multi-Etiology Dementia
2. Shelby Sabourin, Christina Thrasher, Rachel Smith, Kasey Belanger-Mayer, Bryce Thibodeau, Richard Kelly, Riane Richard, Abigail Salinero, **Charly Abi-Ghanem**, Molly Batchelder, Emily Groom, Sally Temple, Kevin Pumiglia, Kristen Zuloaga. Sex Specific Effects of a High Fat Diet on Metabolism, Cognition, and Pathology in the Tg-SwDI Mouse Model of Alzheimer's Disease

Oral presentations:

1. Endocrine Aging and Metabolic Syndrome Interaction in Alzheimer's Disease Model: A Female Perspective; April 2025, 2025 CCAD Reunion Conference, San Juan, Puerto Rico
2. Sex Hormones' Modulation of the Central Nervous System Health and Disease February 2025, invited talk for the Department of Biomedical Sciences at Iowa State University, Ames IA
3. The Effects of Biological Sex on Brain Health in Aging and Disease January 2025, invited talk for the Department of Psychology at Binghamton University, Binghamton NY
4. Sex Differences in White Matter Development and Disease

- January 2025, invited talk for the Department of Biological Sciences at Marshall University, Huntington WV
5. Effects of Menopause in a Mouse Model of Alzheimer's Disease and Comorbid Metabolic Disease
- July 2024, selected talk at Nutrition, Metabolism and Dementia ISTAART PIA day, Philadelphia PA
6. Decoding the Impact of Biological Sex on Brain Health
- March 2024, invited talk for the department of Psychology and Neuroscience at Nova Southeastern University, Fort Lauderdale FL
7. Effects of Loss of Testosterone on Dementia
- September 2023, selected talk at the 2023 Annual CDPA Research Symposium, Albany NY
8. Influence of Androgens in a Mouse Model of Multi-Etiology Dementia
- August 2023, selected talk at ISMND NextGen 2023 Conference, Virtual only
9. Menopause, Metabolic Syndrome, and Alzheimer's Disease
- May 2023, selected talk at OSSD 17th Annual Meeting, Calgary Canada
10. Sex Differences in Metabolic Disease Effects on Brain Pathology in a Mouse Model of VCID
- September 2022, selected talk at the SfN Hudson-Berkshire Chapter 8th Annual Meeting, SUNY Albany NY
11. Sex Differences in Metabolic & Vascular Contributions to Dementia
- July 2022, invited talk at the Neural Stem Cell Institute, Rensselaer NY
12. Sex-specific effects of high fat diet on neuropathology in a mouse model of VCID
- May 2022, selected talk at OSSD 16th Annual Meeting, Los Angeles CA
13. Influence of Androgens on a Mouse Model of Multi-Etiology Dementia
- February 2022, selected talk at 11th Steroids and Nervous System Meeting, Torino, Italy (virtual)
14. Menopause and Alzheimer's disease
- September 2021, selected talk at First Annual CDPA research symposium, Albany NY
15. Impacts of Menopause on a Mouse Model of Co-Morbid Metabolic Syndrome and Alzheimer's Disease.
- September 2021, selected talk at Sex and Gender ISTAART PIA day, Virtual
16. Sex Differences in Metabolic & Vascular Contributions to Dementia
- October 2020, invited talk for the Neuroscience Grand Rounds, Albany Medical College, Albany NY; USA
17. Shedding Light on Myelin Dimorphism and Repair
- April 2019, invited talk at Albany Medical College, Albany NY; USA
18. Implication of the Androgen Receptor in Oligodendrocytes and Myelin Sexual Dimorphism
- Septembre 2015, selected talk at Journée de l'école doctorale ED568

Poster presentations (only 1st author posters):

1. **Charly Abi-Ghanem**, Alex Opiela, Richard D Kelly, Nyi-Rein Kyaw, Abigail E Salinero, Febronia Mansour, Christina A. Thrasher, Molly R. Batchelder, and Kristen L Zuloaga.
Impact of the Loss of Ovarian Hormones on Mouse Models of Dementias
June 2025, OSSD 19th Annual Meeting, Albuquerque NM, USA
2. **Charly Abi-Ghanem**, Richard D. Kelly, Emily A. Groom, Caitlin G. Valerian, Aaron S. Paul, Christina A. Thrasher, Abigail E. Salinero, Molly R. Batchelder, Jennifer J Lafrican, Matthew Wang, Rachel M. Smith, Sally Temple, Damian G. Zuloaga, and Kristen L. Zuloaga.
How Obesity and Menopause Interact in a Mouse Model of Alzheimer's Disease
February 2025 AAIC Neuroscience Next, online
3. **Charly Abi-Ghanem**, Caitlyn Valerian, Aaron S. Paul, Abigail E. Salinero, Rachel M. Smith, Richard D. Kelly, Riane N. Richard, Ava A. Herzog, Christina A. Thrasher, Emily Groom, Matthew Wang, Kasey M. Belanger, Heddwen L. Brooks, Damian G. Zuloaga, and Kristen L. Zuloaga.
Pause for Thought: How Menopause and Obesity Affect a Mouse Model of Alzheimer's Disease
September 2024 The Society for Behavioral Neuroendocrinology Online Research Symposium, online

4. **Charly Abi-Ghanem**, Abigail E Salinero, Richard D Kelly, Olivia J Gannon, David Riccio, Sanaa Malik, Febronia Mansour, David Kordit, Nyi-Rein Kyaw, Matthew Wang and Kristen L Zuloaga.
Effects of Menopause in a Mouse Model of Alzheimer's Disease and Comorbid Metabolic Disease
July 2024, Alzheimer's Association International Conference, Philadelphia PA, USA
5. **Charly Abi-Ghanem**, Abigail E Salinero, Richard D Kelly, Olivia J Gannon, David Riccio, Sanaa Malik, Febronia Mansour, David Kordit, Nyi-Rein Kyaw, Matthew Wang and Kristen L Zuloaga.
Menopause, Metabolic Syndrome, and Alzheimer's Disease
May 2024, OSSD 18th Annual Meeting, Bergen, Norway
6. **Abi-Ghanem C**, Kelly RD, Salinero AE, Wang M, Kyaw NR, Riccio D, Mansour F, Gannon OJ, Kordit D, Sura A., Zuloaga KL.
Influence of Sex and Sex Hormones on a Mouse Model of Multi-Etiology Dementia
August 2022, Alzheimer's Association International Conference, San Diego CA, USA
7. **Abi-Ghanem C**, Kelly RD, Salinero AE, Wang M, Kyaw NR, Riccio D, Mansour F, Gannon OJ, Kordit D, Sura A., Zuloaga KL.
Influence of Sex and Sex Hormones on a Mouse Model of Multi-Etiology Dementia
May 2022, OSSD 16th Annual Meeting, Los Angeles CA, USA
8. **Abi-Ghanem C**, Kelly RD, Wang M, Salinero AE, Mansour F, Kyaw NR, Gannon OJ, Zuloaga KL.
Influence of Androgens on a Mouse Model of Multi-Etiology Dementia
February 2022, 11th International Meeting "Steroids and Nervous System" Torino, Italy (virtual attendance)
9. **Abi-Ghanem C**, Salinero AE, Gannon OJ, Riccio D, Mansour F, Kelly RD, Kordit D, Kyaw NR, Wang M, Zuloaga KL.
The Impact of Menopause on a Mouse Model of Co-Morbid Metabolic Syndrome and Alzheimer's Disease
July 2021 Alzheimer's Association International Conference, Denver CO, USA (virtual attendance)
10. **Abi-Ghanem C**, Kelly RD, Wang M, Salinero AE, Mansour F, Kyaw NR, Gannon OJ, Zuloaga KL.
Influence of Androgens on a Mouse Model of Multi-Etiology Dementia
May 2021, OSSD 15th Annual Meeting, online
11. **Abi-Ghanem C**, Salinero AE, Gannon OJ, Riccio D, Mansour F, Kelly RD, Kordit D, Kyaw NR, Wang M, Zuloaga KL.
The Impacts of Menopause on a Mouse Model of Co-Morbid Metabolic Syndrome and Alzheimer's Disease
May 2021, OSSD 15th Annual Meeting, online
12. **Abi Ghanem C***, Salinero AE*, Kordit D, Robison LS, Gannon OJ, Riccio D, Zuloaga KL.
Sex-Specific Effects of High Fat Diet on Cognitive Impairment and White Matter Damage in a Mouse Model of VCID.
March 2021, Virtual Glia Trainee Symposium, online. *equal contributions
13. **Abi Ghanem C**, Salinero AE, Gannon OJ, Riccio R, Mansour F, Kelly DR, Cirrito JR, Zuloaga KL.
The Impacts of Menopause on a Mouse Model of Co-Morbid Metabolic Syndrome and Alzheimer's Disease.
February 2021, Virtual Steroids and Nervous System Meeting, online.
14. **Abi Ghanem C**, Mann A, Hussain S and Ranscht B.
A Novel Peptide Targeting Demyelinating Lesions
July 2019 XIV European Meeting on Glial Cells in Health and Disease, Porto, Portugal
15. **Abi Ghanem C**, Colakoglu G, Jashi Y, Fernandes F, Ranscht B.
Contactin-1 in Myelin Formation
March 2018, Gordon Research Symposium and Conference for Myelin, Ventura CA, USA
16. **Abi Ghanem C.**, Degerny C., Schumacher M. and Ghoumari AM.
A Key Role of the Androgen Receptor in the Sexual Dimorphism of Myelin
July 2015, XII European Meeting on Glial Cells in Health and Disease, Bilbao, Spain
17. **Abi Ghanem C.**, Hussain R., Habert R., Schumacher M. and Ghoumari AM.
Oligodendrocyte and myelin dimorphism appear at early developmental stage in mice and is androgen

receptor dependent.

May 2014, ARSEP Annual Meeting on Multiple Sclerosis, Paris, France