

CURRICULUM VITAE

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EDUCATION AND TRAINING

Post-Graduate

2009-2014	University of Cadiz, Spain	PhD	Health Sciences
2006-2008	University of Seville, Spain	MS	Molecular Genetics and Biotechnology

Graduate

1999-2005	University Of Seville, Spain	BS	Biology
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APPOINTMENTS AND POSITIONS

Academic

2020-Present	Research Assistant Professor	School of Public Health, University of Pittsburgh, Pittsburgh, PA
2015-2020	Postdoctoral Fellow	School of Public Health, University of Pittsburgh, Pittsburgh, PA

PROFESSIONAL ACTIVITIES

1. Teaching

a. Courses Taught

Years Taught	Course Number: Title	Hours of Lecture, credits Average Enrollment	Role in course Primary/Coordinator
2022	Genetic Techniques 2022	1 credit	Assistant Director

b. Other Teaching (lectures, tutorials and continuing education courses)

Date(s)	Type of Teaching	Title
2011 – 2013	One hour of lecture and one hour of practical work	Human Physiology I & II Course, School of Medicine, Cadiz, Spain

f. Supervision of Post-Doctoral Students, Residents, and Fellows

Dates Supervised	Name of Student	Position of Student
2020-2022	Bruce Nmezi	Postdoctoral
2020-2021	Shruthi Subramaniam	Undergraduate
2019-2020	Virali Patel	Undergraduate
2018-2019	Sydney Lamerand	Undergraduate
2018-2019	Yuming Jia	Undergraduate

g. Mentoring of Graduate Students in Field Placements

Dates	Name of Student	Degree/Program Description	Field Site
2015-2020	Bruce Nmezi	PhD, School of Public health	University of Pittsburgh
2019-2022	Talia Oranburg	PhD, School of Public health	University of Pittsburgh

b. Invited Lectureships and Major Seminars Related to Your Research

Date	Title of Presentation	Venue
12/02/2021	LMNB1, oligodendrocytes and Autosomal Dominant Leukodystrophy (ADLD)	Achucarro - Basque Center for Neuroscience

PUBLICATIONS

1. Refereed Articles

1. Guillermo Rodriguez Bey, Michelle C do Rosario, Guillermo Rodriguez Bey, Bruce Nmezi, Fang Liu, Talia Oranburg, Ana S A Cohen, Keith A Coffman, Maya R Brown, Kirill Kiselyov, Quinten Waisfisz, Myrthe T Flohil, Shahyan Siddiqui, Jill A Rosenfeld, Alejandro Iglesias, Katta Mohan Girisha, Nicole I Wolf, Quasar Saleem Padiath, Anju Shukla. *Variants in the zinc transporter TMEM163 cause a hypomyelinating leukodystrophy*. Brain. August 2022
2. Ángela Gento-Caro, Esther Vilches-Herrando, Victoria García-Morales, Federico Portillo, Guillermo Rodríguez-Bey, David González-Forero, Bernardo Moreno-López. *Interfering with lysophosphatidic acid receptor *edg2/lpa1* signalling slows down disease progression in SOD1-G93A transgenic mice*. NeuroPathol Appl Neurobiol. 2021;00:1–15
3. Kelly M Guzman, Lauren E Brink, Guillermo Rodriguez-Bey, Richard J Bodnar, Lisha Kuang, Bin Xing, Mara Sullivan, Hyun J Park, Erik Koppes, Haining Zhu, Quasar Padiath, Franca Cambi. *Conditional depletion of Fus in oligodendrocytes leads to motor hyperactivity and increased myelin deposition associated with Akt and cholesterol activation*. Glia. March 2020, 1– 17
4. Victoria García-Morales*, Guillermo Rodríguez-Bey*, Laura Gómez-Pérez*, Germán Domínguez-Vías, David González-Forero, Federico Portillo, Antonio Campos-Caro, Ángela Gento-Caro, Noura Issaoui, Rosa M Soler, Ana Garcera, Bernardo Moreno-López. *Sp1-regulated expression of p11 contributes to motor neuron degeneration by membrane insertion of TASK1*. Nature Communications. August 2019, Volume 10, Article number: 3784
5. Bruce Nmezi, Jianquan Xu, Rao Fu, Travis J Armiger, Guillermo Rodriguez-Bey, Juliana S Powell, Hongqiang Ma, Mara Sullivan, Yiping Tu, Natalie Y Chen, Stephen G Young, Donna B Stolz, Kris Noel Dahl, Yang Liu, Quasar S Padiath. *Concentric organization of A-and B-type lamins predicts their distinct roles in the spatial organization and stability of the nuclear lamina*. Proceedings of the National Academy of Sciences (PNAS). March 5, 2019, 116 (10) 4307-4315
6. Julian Curie*, Guillermo Rodríguez Bey*, Asako Takanohashi, Marianna Bugiani, Xiaoqin Fu , Nicole I Wolf, Bruce Nmezi , Raphael Schiffmann , Mona Bugaighis , Tyler Pierson , Guy Helman, Cas Simons , Marjo S van der Knaap , Judy Liu, Quasar Padiath, Adeline Vanderver. *TUBB4A mutations result in specific neuronal and oligodendrocytic defects that closely match clinically distinct phenotypes*. Human Molecular Genetics. August 29, 2017. Volume 26, Issue 22, 15 November 2017, Pages 4506–4518
7. Victoria García-Morales, Fernando Montero, David González-Forero, Guillermo Rodríguez-Bey, Laura Gómez-Pérez, María Jesús Medialdea-Wandossell, Germán Domínguez-Vías, José Manuel García-Verdugo, Bernardo Moreno-López. *Membrane-derived phospholipids control synaptic neurotransmission and plasticity*. PLoS Biology. May 21, 2015; 13(5):e1002153

5. Review Articles

1. Tyrosine phosphorylation of lamin A by Src promotes disassembly of nuclear lamina. *Life Science Alliance*. ISSN 2575-1077
2. Deficiency of microRNA-23-27-24 clusters exhibits the impairment of myelination in the central nervous system with aging. *Journal of Neuroscience Research*. jnr-2021-Oct-10156