

Neuroscience Graduate Program



SCHOOL OF
**MEDICINE &
DENTISTRY**

UNIVERSITY *of* ROCHESTER

Newsletter- 2021

Neuroscience Graduate Program

Welcoming the first class that interviewed online



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Neuroscience Graduate Program

Notes from the NGP Director

Dear Students, Faculty, Alumni, Staff, and Friends,

Wow! What a year it has been – one marked with many transitions and tons of uncertainty but also with problem-solving, solidarity, and resilience, as we all learned to navigate the everchanging terrain of the pandemic. It seems almost every decision and action during this time has had to pass through the COVID filter. Practically everything within the last year went virtual, but our students dug in, showed up on Zoom, and persevered. Though constrained, they made their way on to campus to get their laboratory rotations and research done, and slogged their way through in person exams. Many faculty were inspired by our students and we've all worked hard to accommodate the constantly-evolving landscape. I still look back in awe as I think about how we came together to make the best out of the hand we were dealt. I view the last year as a huge success, that despite the seemingly insurmountable challenges brought on by COVID-19, we prevailed and got things done. I am indebted to all of our amazing students and dedicated faculty and staff for working together, being supportive, and maintaining patience and flexibility during these anxious and trying times. We all should be really proud of what we have accomplished. More importantly, I firmly believe that these hard-earned experiences provide us with a viable roadmap for the months ahead as we welcome our new entering class of 9 outstanding first year students into the program. Kudos to Farran Briggs, in her first year as our Admissions Chair, for over-seeing such fantastic recruitment efforts.



Fortunately, Boot Camp for our incoming students took place in person this year – masked, but in person! Most of our fifty-five NGP students also made it out to a Happy Hour Cookout/Picnic in the open spaces of Genesee Park and it was great seeing everyone show up to support our incoming class – just a little slice of normal to make our newest members feel at home. The Boot Camp committee should be recognized for their tireless efforts to make all of this happen. While the road ahead through the Fall and Spring semesters will likely be littered with more uncertainty and challenges, I have the utmost confidence that the NGP will rise to the occasion and continue to shepherd our students to success.

The pandemic has also laid bare the impact of racial and social inequities across our country, and we as educators have had to come to terms with the roles that these inequities also play in the academic setting. Collectively, we must decide how to make things better for our students and program including making admissions more holistic and ensuring that all our students have access to the resources they need to become bona fide neuroscientists. This has required a great deal of introspection, ownership, engagement, and uncomfortable conversations among everyone in the NGP. But from that discomfort and acknowledgement comes growth, purpose, and a sense of direction where we turn words into meaningful actions. Our students and faculty have been working hard to make the NGP and the University of Rochester a more diverse and inclusive environment. You can get a real sense of that commitment over the last year by looking at the accomplishments of the URM Neurosciences Diversity Committee including their Pipeline, NEURO CITY, and NeURoEast initiatives. Our students continue to lead by example through their roles in the Neuroscience Diversity Commission, the Alliance for Diversity in Science and Engineering, and the Student Solidarity Organization. While many challenges still exist and much work remains to be done, I am inspired by what we can accomplish when we work together with the single goal in mind that diversity makes us stronger.

Continued on next page

Continued Notes from the NGP Director

Try as it may, the pandemic failed to hold back our senior students from graduating and moving on to exciting new opportunities. Sadly, we said goodbye to five of our students this year. Dr. Holly Beaulac is off to Jackson Labs in Bar Harbor, Maine to work as a postdoctoral fellow. Dr. Humberto Mestre started his clinical residency in adult neurology at the University of Pennsylvania, Dr. Colin Lockwood started a postdoctoral fellowship at Penn State, and Kathleen Miller-Rhodes has gone to work as a Scientific Communication Associate for Eli Lilly and Company. Our most recent graduate, Kamy Wakim, is off for a postdoctoral position at Albert Einstein College of Medicine. They will be missed, but we wish them many successes in their new roles. Hopefully, they will reflect fondly upon their time here and inspire emerging neuroscientists everywhere to consider calling NGP home.

I find myself in the Captain's seat now after taking the reins from Ania Majewska in July to become the new NGP Director. What a daunting task and such big shoes to fill. I am not entirely sure how Ania was able to manage it all, but there is no doubt that the NGP has prospered and grown under her leadership. I could not have asked for a better mentor in preparing me for this new opportunity. I appreciate her support and am honored to follow in her footsteps. I know that I speak for all of us when I say I deeply appreciate Ania's many years of service, dedication, and hard work in elevating our program. I am also acutely aware that much of the credit for keeping the NGP engine running belongs to our past and present program coordinators, Tori D'Agostino and Amara DiFrancesco. Their intimate knowledge of all things NGP makes the director's role more manageable and adds to the perception that we really know what we are doing. Big thanks to Tori for all of her help and being an awesome program coordinator, and helping Amara learn the ropes as she steps into her role as our new coordinator. She is off to a great start and we are lucky to have her. Last but not least, the additional buttressing by many in the neuroscience offices and GEPA is also greatly appreciated.

There is no doubt the NGP is growing and thriving. We are in the second year of our T32 which will support the training for four of our students. We also welcomed six new faculty into the program this year (see page 10) with several others in the pipeline. To learn more about all the exciting research here in the NGP and support our amazing students, please join us for the student seminar series held every Monday at 4pm. Special thanks to Allison Murphy, Greg Reilly, Ken Henry, and Andrew Wojtovich for keeping this series running and adapting to all the COVID-related changes. Special thanks to the retreat committee for another successful virtual retreat in May. Last but certainly not least, the true reach of our program is captured in our Alumni Directory at the end of this newsletter. We are proud to call all of you family and enjoy hearing from you, so please continue to help us update this directory. While I have acknowledged a few people in this newsletter, there are so many more whose efforts deserve recognition. So, in closing, I want to thank each and every member of our NGP community for all that you do. I look forward to working with you in the year ahead.

Warm Regards,
Chris Holt, PhD

Notes from the NGP Admissions Committee Chair



The past year plus has presented unprecedented challenges for us all, including hosting a fully virtual 2021 admissions season. In spite of these challenges, we could not be more excited about our incoming class of NGP students. Nor could we be more proud of the outstanding efforts of all those involved in recruitment, especially the NGP student recruitment committee: Kate Andersh, Greg Reilly, Lelo Shamambo, Caitlin Sharp, and Mike DuHain and the NGP admissions committee: Chris Holt, Marissa Sobolewski, Adam Snyder, Gail Johnson, John Olschowka, Ania Majewska, and Liz Roman-ski. As we transition into a more holistic approach toward NGP admissions, this necessitates more engagement and time on the part of our admissions committee members. We are so grateful for your efforts! Special thanks also goes to Tori D'Agostino for coordinating two successful virtual recruitment weekends including learning how to deal with new media and information sharing platforms – we could not do any of this without you Tori!

The success of our 2021 recruitment season is evident in the exceptional group of incoming first year NGP students. Selection this year was especially competitive: we reviewed 170 applications and interviewed 29 applicants, of which 9 will be joining the NGP this August. Importantly, our incoming first year class is also our most diverse class ever. Our first years come from across the country and the world, with a variety of life experiences prior to joining NGP. We can't wait to welcome our incoming NGP first year class to URM and to finally meet you in person! We also look forward to having all of our graduate students return to classes and seminars so that we can continue our tradition of student-focused graduate education. Going forward, the NGP admissions committee will continue to hone a holistic approach toward admissions. We will be reaching out to students and faculty in the coming months prior to the start of the 2022 recruitment season in order to operationalize our admissions approach going forward. We welcome your feedback! Please reach out to us with any suggestions you have to continue our track record of successful admissions.

Farran Briggs
Chair, NGP Admissions Committee

*We want to again thank Doug Portman for his many years of outstanding service as the former NGP Admissions Chair – those were big shoes to fill!

Notes from the Neuroscience Chair

We are marking a season of progress at the Del Monte Institute for Neuroscience (Institute). Our researchers continue to push the boundaries of neuroscience. Change is never easy, but we have embraced change, students graduated on time, research was published, and grants were awarded. Over the past year we have congratulated 5 newly-minted PhD's from our graduate program. This August we welcomed eight PhD students and one MD/PhD student into the Neuroscience Graduate Program.



The Neuroscience Diversity Commission (NDC) is making great strides in providing access and supporting the research pipeline for Black and Latino students. A group of high school students just completed the first year of the NEUROEAST program. This program was led by the NDC Chair Manuel Gomez-Ramirez, Ph.D. He provided several students from Rochester's East High School with hands-on experience in his Haptics Lab in the Brian and Cognitive Sciences Department. NDC's NEUROCITY program, a partnership between the University of Rochester and The City College of New York (CCNY) welcomed eight CCNY undergraduates who are working in neuroscience labs in Rochester this summer. Both programs are examples of our goal to make research accessible and affirm our commitment to diversity, which is essential for excellence in science.

In the spring of 2022, we are looking forward to coming together for the first time in nearly two years for our annual symposium. From June 10th-11th, the Institute will partner with the University of Rochester Intellectual and Developmental Disabilities Research Center to host the event titled: Developmental emergence of neural circuit architecture and function. It will feature speakers from more than a dozen institutions and organizations. I am energized by the work being done by our faculty, trainees, students, and staff. It is not lost on me the grind everyone undertakes daily for the reward of meaningful contributions to science. I am proud to be a part of such a team.

In Science,

John Foxe, PhD Kilian J. and Caroline F. Schmitt Chair in Neuroscience
Director, The Ernest J. Del Monte Institute for Neuroscience
Professor & Chair, Department of Neuroscience

Class of 2021 Admissions



Estephanie Balbuena - Estephanie Balbuena graduated from Hunter College of The City University of New York with a BA in Psychology, a minor in Biology, and departmental honors. During her undergraduate career, she was an NIH-Blueprint for Enhancing Neuroscience Diversity through Undergraduate Research Education (BP-ENDURE) fellow in the laboratory of Dr. Mariann Weierich, where she researched the relationship between behavioral and neural hypervigilance in trauma-exposed people. Following her undergraduate career, Estephanie was a Baylor College of Medicine Post-baccalaureate Research Education Program (PREP) fellow in the laboratory of Dr. Huda Zoghbi and focused on Alzheimer's disease research. Throughout her one-year fellowship, she investigated the role of adaptin protein complexes in the intracellular regulation of amyloid-beta precursor protein levels and processing. At URM, Estephanie plans to continue investigating the underlying biological mechanisms of neurodegeneration to better understand the pathology of neurodegenerative diseases.



Lia Calcines Rodriguez - Lia Calcines-Rodríguez recently graduated from the University of Rochester with a B.S. in Biological Sciences: Neuroscience. She conducted her undergraduate research with both Dr. David Dodell-Feder at The Social Cognition & Psychopathology Lab (SCP Lab) and with Dr. Abdellatif Benraiss at the Center for Translational Neuromedicine (Goldman Lab). At SCP Lab, she mainly focused on obtaining data from more than 200 human subjects on whether reading certain literary genres would enhance cognitive abilities such as the theory of mind ability with the goal of testing this on patients with Schizophrenia Spectrum and Autism Spectrum Disorder. Contrastingly, at the Goldman Lab, she focused more on regenerative medicine and cell-based therapy in the CNS as potential treatments for neurodegenerative diseases such as Huntington's. Her research project was focused on generating hypo-immunogenic cells, both neurons and glia, that could potentially evade the immune system upon transplantation into the brain as well as humanizing a mouse model for this same project. At URM, Lia plans to explore and expand her knowledge on the immune system in the CNS and study the dynamic states of microglia in health and disease, all with a translational goal in mind.



Thomas Delgado - Thomas Delgado graduated from the University of Florida in 2017 with a B.S. in Behavioral and Cognitive Neuroscience. While in undergrad, he worked in the lab of Dr. Todd Golde for 3 years- a lab which uses AAV to research gene therapies in Alzheimer's disease. In the latter half of Thomas' time there, he focused on using AAV with unique ligands fused to the VP2 N-terminus of the viral capsid to allow for viral tropism to specific tissues or cell types. After leaving undergrad, Thomas spent a gap year in a post-bac program in Baltimore, Maryland, at the National Institute on Aging under Dr. Mark Mattson. There, he researched how activation of the GLP-1R affects downstream bioenergetics and survival pathways in rat primary neuronal cultures, mostly using the Seahorse assay to assess mitochondrial status. Since then, Thomas has been at URM for two years as part of the MD-PhD program and is planning on continuing research in neurodegeneration and basic mechanisms of neuronal cell injury and survival.

Class of 2021 Admissions



Alexis Feidler - Alexis Feidler graduated from Washington and Lee University with a B.S. in Neuroscience. She spent most of her undergraduate career researching optic nerve regeneration and post-injury recovery in retinal ganglion cells under Dr. Fiona Watson. She also spent a semester at the University of Geneva investigating the mechanistic links between circadian rhythms and neurological disorders under Dr. Emi Nagoshi and a summer working at Mount Desert Island defining and characterizing repeat sequences in intrinsically disordered domains and their association with protein localization under Dr. Dustin Updike. At Rochester, Alexis wishes to pursue research in the field of vision, understanding how the eye functions and communicates with the brain.



Leslie Gonzales - Leslie Gonzales graduated from Lake Forest College with a B.A. in Neuroscience and Psychology. During her time as an undergraduate, she conducted research primarily under Dr. Jean-Marie Maddux, investigating the effects of nicotine on conditioned responding to reward associated cues. Additionally, she conducted research and published a paper with Dr. Matthew Kelley on the influence of the number of part-set cues on order retention. At Rochester, Leslie plans to explore the underlying mechanisms of learning, with a focus on neural circuits and neuroplasticity.



Julia Granato - Julia Granato graduated from Vassar College with a B.A. in Neuroscience in 2019. She conducted her undergraduate research with Dr. Kevin Holloway, examining the effects of opioid receptor antagonism on conditioned behaviors in Japanese quail. After graduation, Julia investigated the mechanisms of multiple sclerosis-associated cerebellar dysfunction with Dr. Anna Iacoangeli at the Tisch Multiple Sclerosis Center of New York. At Rochester, Julia plans to continue studying the molecular mechanisms underlying neurological illnesses, with a particular focus on neurodegenerative disease.

Class of 2021 Admissions



Catalina Guzman - Catalina Guzman graduated from Rutgers University with a B.S. in Biology with Honors. During her senior year at Rutgers, she joined the lab of Dr. Michael Cole. Working under the guidance of post-doctoral fellow Dr. Katelyn Arnemann, she tested whether the hypothesized general intelligence factor “g” can explain individual differences in connection strength at the network level in the brain using data from the Human Connectome Project (HCP). This project culminated in a senior thesis project. After graduation, she was accepted into the NIH-funded PennPREP Post-baccalaureate program at the University of Pennsylvania. As a PennPREP fellow, Catalina worked in the lab of Dr. Amelia Eisch, investigating the effects of galactic cosmic radiation (GCR) and antioxidant CDDO on hippocampal mediated cognition in adult female mice. Her research contribution at the Eisch lab aimed to lay the groundwork for further studies exploring the therapeutic properties that CDDO may have on cognitive deficits in astronauts produced by space radiation. At UPMC, Catalina hopes to explore the neurological bases and environmental factors that constitute deficits in social behaviors, including the development of psychiatric disorders and other psychological deficits.



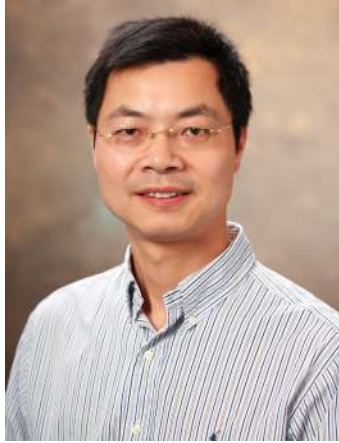
Sean Lydon - Sean Lydon graduated from Washington University in St. Louis with a B.S. in Psychology and completed a post-bacc program at the University of Pennsylvania. While at the University of Pennsylvania, he also worked as a Clinical Research Coordinator in the Department of Neurology where he managed various research projects including the development of a smartphone-based intervention that targets apathy in patients with Frontotemporal Dementia, Mild Cognitive Impairment, and Alzheimer’s Disease. At UPMC, Sean hopes to study neurodegeneration in Alzheimer’s Disease and Related Dementias.



Mark Osabutey - Mark Ayor Osabutey received his BSc Human Biology and medical degree from the Kwame Nkrumah University of Science and Technology, Ghana in 2015 and 2018 respectively. Whilst working as a physician-intern at the Komfo Anokye Teaching Hospital, he was a volunteer research assistant in Professor Fred Stephen Sarfo’s group comprehensively investigating the socio-demographic, clinical and genetic characteristics of stroke in sub-Saharan Africa. Witnessing the lack of basic and translational neuroscience research in the country as well as the impact of neurological diseases on the life of patients and the health system, he was convinced to pursue a doctoral degree in neuroscience. He looks forward to exploring the cellular mechanisms underlying stroke and neurodegenerative diseases with potential therapeutic approaches.

2021 Neuroscience Retreat

The 2021 Neuroscience retreat was once again held virtually on Zoom due to COVID-19. Despite being held virtual, there was a fantastic turnout and it was a day filled with enjoyable events. Bo Chen, PhD, Icahn School of Medicine at Mount Sinai, was the keynote speaker. Ania Majewska, PhD was awarded the 2021 Peter Shrager award and Monique Mendes, PhD (2020 NGP Alumn) was awarded the 2021 Doty Award.



Keynote Speaker: Bo Chen, PhD, Icahn School of Medicine at Mount Sinai
“Generating New Neurons and Protecting Old Neurons in Vision Restoration”



Faculty Speaker: Doug Portman, PhD, URM
“Food vs. Sex: State-Dependent Behavioral Flexibility in *C. elegans*”



Postdoctoral Speaker: Sonal Dalvi, PhD, URM
“Using iPSC-derived model(s) of macular degeneration to identify potential therapeutic targets”



Graduate Student Speaker: Allison Murphy, MS, URM
“Adventures in corticogeniculate feedback”



Graduate Student Speaker: Karl Foley, MS, URM
“PP1 regulation of learning and memory: Plasticity, potentials, and paradox”

Many thanks to the retreat committee for organizing another fantastic event.

Krishnan Padmanabhan, PhD

Ally McHale, Chair

Kate Andersh, Vice Chair

Mark Stoessel

Silei Zhu

Jingyi Yang

and Mark Diltz for all website edits

New NGP Faculty



Ian Fiebelkorn, PhD
Department of Neuroscience

Flexible allocation of the brain's limited processing resources in attention, perception, and working memory



Lauren Hablitz, PhD
Department of Neurology

Basic biological mechanisms of circadian synchrony and entrainment in health and disease



Brian Keane, PhD
Departments of Psychiatry and Neuroscience

How the visual system transforms spatiotemporally fragmented retinal images into discrete representations of objects and how this transformation becomes compromised during serious mental illness



Juliette McGregor, PhD
Center for Visual Science

Improving restored vision.



Benjamin Suarez-Jimenez, PhD
Department of Neuroscience

Use virtual reality (VR), multimodal magnetic resonance imaging (MRI), and machine learning to elucidate the psychological and neural signatures of psychopathologies



Samuel V. Norman-Haignere, PhD
Department of Neuroscience

The neural computations that enable the perception of natural sounds, such as speech and music.

Student & Alumni Publications

Whitelaw BS, Tanny S, Johnston CJ, Majewska AK, O'Banion MK, Marples B (2021 Jul 24). In vivo imaging of the microglial landscape after whole brain radiation therapy. *International journal of radiation oncology, biology, physics*.

Fahrenthold BK, Cavanaugh MR, Jang S, Murphy AJ, Ajina S, Bridge H, Huxlin KR (2021 Jul 16). Optic Tract Shrinkage Limits Visual Restoration After Occipital Stroke. *Stroke*.

Wakim KM, Freedman EG, Molloy CJ, Vieyto N, Cao Z, Foxe JJ (2021 Jun 03). Assessing combinatorial effects of HIV infection and former cocaine dependence on cognitive control processes: A high-density electrical mapping study of response inhibition. *Neuropharmacology*.

Rasmussen MK, Mestre H, Nedergaard M (2021 May 05). Fluid Transport in the Brain. *Physiological reviews*. Shah S, Mancarella M, Hembrook-Short JR, Mock VL, Briggs F (2021 May 05). Attention differentially modulates multiunit activity in the LGN and V1 of macaque monkeys. *The Journal of comparative neurology*.

Stoessel MB, Majewska AK (2021 Apr 28). Little cells of the little brain: microglia in cerebellar development and function. *Trends in neurosciences*.

Mendes MS, Majewska AK (2021 Apr 09). An overview of microglia ontogeny and maturation in the homeostatic and pathological brain. *The European journal of neuroscience*.

Raghunandan A, Ladron-de-Guevara A, Tithof J, Mestre H, Du T, Nedergaard M, Thomas JH, Kelley DH (2021 Mar 09). Bulk flow of cerebrospinal fluid observed in periarterial spaces is not an artifact of injection. *eLife* Vol 10.

Chockanathan U, Crosier EJW, Waddle S, Lyman E, Gerkin RC, Padmanabhan K (2021 Mar 03). Changes in pair-wise correlations during running reshapes global network state in the main olfactory bulb. *Journal of neurophysiology*.

Lowery RL, Cealie MY, Lamantia CE, Mendes MS, Drew PD, Majewska AK (2021 Feb 19). Microglia and astrocytes show limited, acute alterations in morphology and protein expression following a single developmental alcohol exposure. *Journal of neuroscience research*.

McConnell SEA, Mooney CJ (2021 Feb 16). A Crocheted Model Activity for Teaching Embryonic Lateral Folding to Medical Students.; *Anatomical sciences education*.

Lowery RL, Mendes MS, Sanders BT, Murphy AJ, Whitelaw BS, Lamantia CE, Majewska AK (2021 Feb 13). Loss of P2Y12 Has Behavioral Effects in the Adult Mouse. *International journal of molecular sciences* Vol 22(4).

Connell NT, James PD, Brignardello-Petersen R, Abdul-Kadir R, Ameer B, Arapshian A, Couper S, Di Paola J, Eikenboom J, Giraud N, Grow JM, Haberichter S, Jacobs-Pratt V, Konkle BA, Kouides P, Laffan M, Lavin M, Leebeek FWG, McLintock C, McRae S, Montgomery R, O'Brien SH, O'Donnell JS, Ozelo MC, Scappe N, Sidonio R, Tosetto A, Weyand AC, Kalot MA, Husainat N, Mustafa RA, Flood VH (2021 Jan 26). von Willebrand disease: proposing definitions for future research. *Blood advances*; Vol 5(2).

Schneider GT, Lee C, Sinha AK, Jordan PM, Holt JC (2021 Jan 13). The mammalian efferent vestibular system utilizes cholinergic mechanisms to excite primary vestibular afferents. *Scientific reports*; Vol 11(1).

Miller-Rhodes P, Gelbard HA (2021). The Cell Culture Environment Regulates the Transcription Factor MafB in BV-2 Microglia. *Matters* Vol 2021.

Mai N, Knowlden SA, Miller-Rhodes K, Prifti V, Sims M, Grier M, Nelson M, Halterman MW (2020 Dec 29). Effects of 9-t-butyl doxycycline on the innate immune response to CNS ischemia-reperfusion injury. *Experimental and molecular pathology*.

Liu G, Mestre H, Sweeney AM, Sun Q, Weikop P, Du T, Nedergaard M (2020 Dec 22). Direct Measurement of Cerebrospinal Fluid Production in Mice. *Cell reports* Vol 33(12).

Lowery RL, Latchney SE, Peer RP, Lamantia CE, Opanashuk L, McCall M, Majewska AK (2020 Nov 20). Acute 2,3,7,8-Tetrachlorodibenzo-p-dioxin exposure in adult mice does not alter the morphology or inflammatory response of cortical microglia. *Neuroscience letters*.

Min Rivas F, Liu J, Martell BC, Du T, Mestre H, Nedergaard M, Tithof J, Thomas JH, Kelley DH (2020 Nov). Surface periarterial spaces of the mouse brain are open, not porous. *Journal of the Royal Society, Interface* Vol 17(172).

Convocation Awards 2021



Lia Calcines Rodriguez received the Irving L. Spar Fellowship.



Alexis Feidler received the Graduate Alumni Fellowship Award.



Julia Granato received the J. Newell Stannard Graduate Student Scholarship.



Catalina Guzman received the Merritt and Marjorie Cleveland Fellowship.



Keshov Sharma received the Outstanding Student Mentor Award.



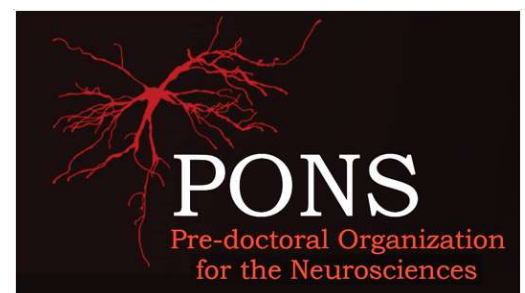
Katherine Andersh Graduate Student Award For Excellence in Equity and Inclusion



Rianne Stowell, PhD Outstanding Postdoctoral Research Award

Over the last year, PONS has aimed to create luncheon roundtable series' to accommodate a multidisciplinary approach. Unfortunately with the advent of the pandemic, many ideas were put on hold. However, we have been able to host a variety of different LRS's including: "music and the brain", "protecting cognition: excersize and non-pharmacological interventions", "language and the brain", and "reward, motivation, and decision making". We have initiated collaborations with other clubs and Rochester businesses such as "Thinkers and Drinkers" and the Rochester Museum and Science Center, but those events were put on hold due to the pandemic.

During the pandemic, we began creating a new event, faculty "ask my anything" (AMAs) in order to learn more about different career paths and increase engagement between NGP students and faculty in a laid back casual conversation. Our first AMA included Krystel Huxlin, Liz Romanski, and Farran Briggs.



Student Updates



In January, Uday Chockanathan (pictured left) won an award for best lightning talk (2nd place) at the American Physician Scientists Association Northeast Regional Conference

Keshov Sharma got engaged to Caitlin Fallone in March of 2021. (pictured right)



J Neurophysiol 125: 1612–1623, 2021.
First published March 3, 2021; doi:10.1152/jn.00464.2020



JNP JOURNAL OF NEUROPHYSIOLOGY

RESEARCH ARTICLE

Neural Circuits

Changes in pairwise correlations during running reshape global network state in the main olfactory bulb

Udaysankar Chockanathan,^{1,2*} Emily J. W. Crosier,^{2*} Spencer Waddle,³ Edward Lyman,³ Richard C. Gerkin,⁴ and Krishnan Padmanabhan^{1,2,5}

Uday Chockanathan and Emily Crosier co-first authored a paper in the Journal of Neurophysiology showing how population activity in the mouse Main Olfactory Bulb changes with running.

Faculty Updates



Drs. Greg DeAngelis and Ralf Haefner received a \$12.2 million grant award from the National Institutes of Health for a project to better understand how the brain uses causal inference to distinguish self-motion from object motion.

Dr. Brian Keane opened the Keane Vision & Psychosis Lab in May 2021. Dr. Keane welcomed the birth of his second child, Raiya Ariana Keane on 8/13/20 (pictured right).

In addition, recent publications include:

- Hearne, L., Mill, R. D., Keane, B. P., Repovs, G., Anticevic, A., & Cole, M. W. (2021). Activity flow underlying abnormalities in brain activations and cognition in schizophrenia. *Science Advances*, 7(29), 1-13. doi:10.1126/sciadv.abf2513.
- Keane, B.P., Barch, D.M., Mill, R.D., Silverstein, S.M., Krekelberg, B., Cole, M.W. (2021). Brain network mechanisms of visual shape completion. *Neuroimage* 236, 118069. doi: 10.1016/j.neuroimage.2021.118069.
- Silverstein, S. M., Keane, B. P., & Corlett, P. R. (2021). Oculomics in schizophrenia research. *Schizophrenia Bulletin*, 47(3), 577–579.
- Spronk, M., Keane, B. P., Kulkarni, K., Ji, J. L., Anticevic, A., & Cole, M. W. (2021). A whole-brain and cross-diagnostic perspective on functional brain network dysfunction. *Cerebral Cortex*, 31(1), 547-561. doi: 10.1093/cercor/bhaa242



Dr. David MacLean, mentor for the Neuroscience Ph.D. Program and Assistant Professor in Pharmacology & Physiology, married Neuroscience Graduate Program Coordinator Amara DiFrancesco in June. Their wedding and reception was held at the Rochester Museum and Science Center, where their Jurassic Park-Themed nuptials were witnessed by a Mastodon, friends, and family.

Alumni Updates

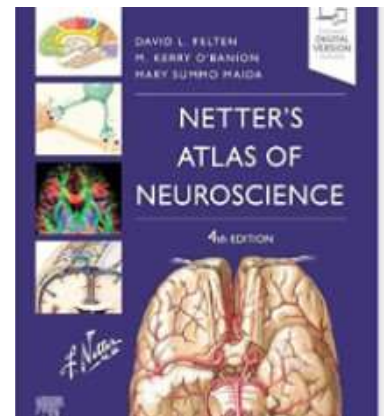


Maria Diehl Faryna, husband Ethan, and son Vincent (age 1) visited the St. Louis zoo. (photo on left) Maria is still at Kansas State University in the Psychological Sciences Department (since 2019).

Jill Weimer is now the president of the Alum council for the University of Rochester School of Medicine and Dentistry.

As of July 1, 2021, Dan Marker joined the staff at the University of Pittsburgh Medical Center as an assistant professor of Neuropathology.

Mary Maida recently completed writing the 4th Edition to the Netter Neuroscience Atlas along with mentor and lab PI, Kerry O'Banion. It will be released early Fall 2021. (Photo right)



David Amaral of UC Davis Health elected to the National Academy of Medicine

(SACRAMENTO) — David Amaral, distinguished professor and Beneto Foundation Chair in the Department of Psychiatry and Behavioral Sciences and the MIND Institute, has been elected to the prestigious National Academy of Medicine.

Aleta Stevens welcomed her 3rd son, William (Willie) Lake Steevens on 6/4/2021 (pictured right). Aleta transitioned out of academics by gaining acceptance to a master's program in the UMN School of Public Health, and accepted a position as a Regulatory Specialist in the Masonic Cancer Center at the UMN. In addition, Aleta was the Primary Investigator and Co-Investigator on successfully funded research grants from the Minnesota Office of Higher Education & published two papers:

- Steevens, A.R., Griesbach, M.W., You, Y. et al. Generation of inner ear sensory neurons using blastocyst complementation in a Neurog1+/- deficient mouse. *Stem Cell Res Ther* 12, 122 (2021). <https://doi.org/10.1186/s13287-021-02184-1>)
- Ruiz-Estevez, M., Crane, A.T., Rodriguez-Villamil, P. Ongaratto, F.L., You, Y, Steevens, A.R et al. Liver development is restored by blastocyst complementation of HHEX knockout in mice and pigs. *Stem Cell Res Ther* 12, 292 (2021). <https://doi.org/10.1186/s13287-021-02348-z>)



Neuroscience Graduate Program Alumni

First Name	Last Name	Defense Date	Current Position, Location
Holly	Beaulac	4/26/2021	Post-Doctoral Fellow in Dr. Vidhya Munnamalai lab, Jackson Labs, Bar Harbor, Maine
Humberto	Mestre	4/12/2021	Clinical residency, Adult Neurology, University of Pennsylvania
Colin	Lockwood	3/29/2021	Post-Doctoral Fellow, Penn State
Kathleen	Miller-Rhodes (Gates)	12/8/2020	Scientific Communication Associate, Eli Lilly and Company
Laura	Owlet (Duclos)	9/3/2020	Medical Student, Medicine, University of Rochester
Monique	Mendes	7/31/2020	Post-Doctoral Fellow in Dr. Mark Schnitzer's lab, Stanford University, California
Joshua	Hinkle	7/16/2020	Post-Doctoral Fellow, NIH NIDA, Baltimore
Patrick	Miller-Rhodes	7/14/2020	Science Marketing Writer, Biofluent Communications
Alejandra	Rodriguez	7/13/2020	Medical Student, Medicine, University of Rochester
Samantha	Abbott	6/19/2020	Resident Manager, Lifetime Assistance, Inc.
John	Wilson	4/2/2020	Medical Student, Medicine, University of Rochester
Jessica	Hogestyn	12/9/2020	Postdoctoral Fellow, Sanofi, Massachusetts
Aimee	Morris	7/1/2019	Medical Student, Medicine, University of Rochester
Rianne	Stowell	6/28/2019	Postdoctoral Fellow, Wang Lab, Neuroscience, University of Rochester
Dawling	Dionisio-Santos	6/26/2019	Medical Student, Medicine, University of Rochester
Aleta	Steevens	4/16/2018	Postdoctoral Fellow, Low Lab, Department of Neurosurgery and the Stem Cell Institute, University of Minnesota-Twin Cities
Rebecca	Rausch	11/3/2017	Senior Scientist, EyeCRO, Ann Arbor, Michigan
Heather	Natola	10/3/2017	Educator and Volunteer Coordinator, The Raptor Trust, New Jersey
John	O'Donnell	7/17/2017	Postdoc at Washington University Saint Louis in their neurology department looking at imaging of Parkinson.
Matt	Cavanaugh	7/17/2017	Post-doc with Dr. Steve Feldon, Ophthalmology M&D, University of Rochester
Laura	Yunes-Medina	6/16/2017	Postdoctoral Research Fellow, Indiana University School of Medicine
Xiaowei	Wang	4/17/2017	Postdoctoral Associate, Nedergaard Lab, University of Rochester
Evan	McConnell	4/12/2017	Medical Student, Medicine, University of Rochester

Nguyen	Mai	4/10/2017	Medical Student, Medicine, University of Rochester
Stephanie	Syc-Mazurek	3/27/2017	Medical Student, Medicine, University of Rochester
Berkeley	Farenthold	3/20/2017	Postdoctoral Fellow, Ophthalmology, University of Rochester
Kelli	Fagan	1/23/2017	Data Scientist, BCBS
Julianne	Feola	1/17/2017	Regulatory Specialist, Masonic Cancer Center, University of Michigan
Shiona	Biswas	9/28/2016	Postdoctoral Associate, Ophthalmology M&D, University of Rochester
Jennifer	Stripay	7/25/2016	Postdoctoral Fellow, Department of Tumor Cell Biology, St. Jude's Children Hospital
Ryan	Dawes	7/18/2016	Scientist 1, Vertex Pharmaceuticals
Rebecca	Lowery	7/7/2016	Postdoctoral Fellow, Majewska Lab, Neuroscience, University of Rochester
Brianna	Sleezer	5/20/2016	Postdoctoral Fellow, Brain & Cognitive Science, University of Rochester
Christina	Cloninger	4/7/2016	Scientist, Exponent
Grayson	Sipe	2/19/2016	Postdoctoral Fellow, Brain & Cognitive Science, MIT
Fatima	Rivera-Escalera	11/2/2015	Postdoctoral Fellow, Neuroscience, University of Rochester
Adam	Pallus	7/1/2015	Postdoctoral Fellow, Genome Sciences, University of Washington
Wei	Sun	6/29/2015	Postdoctoral Fellow, NIMH
Adrienne	Chesser	6/10/2015	Resident, Allina Health, Internal Medicine
Susanne	Pritchard Pallo	5/19/2015	Public Relations Assistant, University of Rochester
Revathi	Balasubramanian	11/7/2014	Postdoctoral Research Scientist, Ophthalmology, Eye Institute, Columbia University
Helen	Wei	6/24/2014	Department of Surgery, General Surgery Residency Program, Rutgers New Jersey Medical School
Imran	Punekar	6/19/2014	Resident, Anesthesiology Residency Program, University of Rochester
Irina	Statnikova	4/14/2014	Resident, Psychiatry, University of Rochester
Michele	Saul	4/7/2014	Adjunct Assistant Professor, University of Rochester; Visiting Assistant Professor, St. John Fisher
Simantini	Ghosh	12/12/2013	Postdoctoral Fellow, Neurology, Washington University School of Medicine in St. Louis
Kimberly	Fernandes	11/4/2013	Medical Writer, VirtualScopics, Inc, Rochester, NY
Danielle	DeCampo	11/1/2013	Pediatrics, Johns Hopkins Neurosurgery
Anasuya	Das	7/19/2013	Data Scientist, Memorial Sloan Kettering Cancer Center

Nathan	Smith	6/24/2013	Neuroscientist, Center for Neuroscience Research, Children's National Medical Center
Daniel	Marker	4/17/2013	Resident, Pathology, University of Pittsburgh
Veena	Ganeshan	4/11/2013	Senior lab Engineer, BME, Rochester, NY
Danny	Rogers	3/29/2013	Resident Physician, Child Neurology, University of New Mexico
Philip	Rappold	12/20/2012	Resident, Urology, University of Rochester
Sarah	Allen (McConell)	12/18/2012	Assistant Professor, Neuroscience, University of Rochester
Maria	Diehl	11/7/2012	Postdoctoral Fellow, Psychiatry, University of Puerto Rico
Michael	Wu	9/8/2012	Resident Physician, Department of Anesthesiology, University of California San Francisco
Katherine	Selzler	6/25/2012	Associate Consultant for Scientific Communications, Eli Lilly and Company
Ethan	Winkler	6/18/2012	Resident, Neurological Surgery, University of California, San Francisco
Youngsun	Cho	6/11/2012	Resident, Psychiatry, Yale School of Medicine
Sally	Duarte	4/13/2012	Postdoctoral Fellow, Max Planck Institute
Crystal	McClain	3/2/2012	Post Doctoral Research Associate at the University of Colorado Anschutz Campus
Zhuoxun	Chen	3/8/2012	Student, University of Maryland School of Dentistry
Cory	Hussar	2/20/2012	Senior Medical Writer; Curry Rockefeller Group, LLC
Kathleen	McAvoy	11/11/2011	Postdoctoral Fellow, Amar Fahay Lab, Harvard Stem Cell Institute
Michael	Jacob	6/16/2011	Resident in Psychiatry, UCSF
Susan	Lee	4/4/2011	Resident Physician, Child Neurology, Cincinnati Children's Hospital Medical Center
Steve	Raiker	12/8/2010	Research Fellow, Thomas Schwarz's Lab, Children's Hospital Boston/Boston Medical School
Arnulfo	Torres-Pena	8/17/2010	Medical Writer at Freelancer, /Medical Communications
Michael	Moravan	8/13/2010	Assistant Professor, Radiation Oncology Department, Duke University and VA Hospital
Sarah	Bliss-Matousek	6/9/2010	Principal Consultant, Day Health Strategies, Spokane, WA; Teaching, Boston University; Affiliate faculty, Ariadne Labs, Harvard TH Chan School of Public Health
William	Mowrey	6/1/2010	Post-doctoral Fellow, HHMI, Anthony Leonardo's lab at Janelia Farm
Marina	Dobрева (Stoilova)	4/16/2010	Bulgaria
Deborah	Ryan	4/9/2010	IGPN

Michael	Pesavento	4/6/2010	Senior Data Scientist and Algorithm Engineer, 3 Scan, San Francisco, CA
I-Chen	Yu	1/28/2010	Research Fellow at Indiana University School of Medicine
Lynette	Desouza	1/25/2010	Post-doctoral Fellow, Tata Institute of Fundamental Research; in 2013 was a stay at home mom
Yuriy	Edwards (Shapovalov)	12/22/2009	Preventive Cardiology Fellow at the Heart Research Follow-up Program, Division of Cardiology, Department of Medicine, mentor Dr. Wojciech Zareba, URMC
Bernard	Gee	8/13/2009	Faculty, Dept. of Psychology, Western Connecticut State University
Qi	Cui	8/11/2009	Ophthalmology Resident (Class of 2015), at UCSF completed fellowship at Wills Eye Institute in Philadelphia
Sarita	Kishore	7/31/2009	2010-internship through University of Washington in Boise, Idaho, 2011-residency in Ophthalmology in Louisville, KY
Carolyn	Tyler	6/17/2009	Medical Science Liaison, Otsuka America Pharmaceutical, Inc.
Aaron	Cecala	6/15/2009	Associate Professor of Physiology, Elizabethtown College
Ditte	Lovatt	5/27/2009	Associate Principal Scientist, Merck
Kyung Hwa	Lee	3/16/2009	Post-doctoral Fellow, City College of New York, Itzhak Mano lab
Laurie	Robak	2009	as of 7/1/15-6/30/16 Post-doctoral Research Associate/Clinical Instructor, Department of Neurology and Department of Molecular and Human Genetics, J. Schulman lab, Baylor College of Medicine, One Baylor Plaza
Onanong (Annie)	Chivatakarn	2009	Post-doctoral Fellow, Salk Institute
Yanan	Guo	12/1/2008	Associate Director, R&D at Biocytogen, Beijing, China
Verginia	Cuzon (Carlson)	10/17/2008	NIH, Bethesda, MD
Grace	Vangeison (Johnston)	9/19/2008	Vice President of Marketing, Sartorius, Boston, MA
Irah	King	7/25/2008	Assistant Professor, McGill University, Department of Microbiology and Immunology
Annie	Chivatakarn	7/24/2008	Senior Research Associate, Gene Expression Lab, The Salk Institute for Biological Studies, San Diego, CA
Glenn	Schneider	6/19/2008	Otolaryngology Specialist, URMC
Nancy Ann	Oberheim Bush	6/18/2008	Neurology Resident, Class of 2015, UCSF

Allison	Stickles	4/21/2008	Resident Physician University of Cincinnati and Cincinnati Childrens, University of Cincinnati Academic Health Center
Meghan	Riley	4/17/2008	IRB Analyst III, The Children's Hospital of Philadelphia
Yasser	Elshatory	4/9/2008	Resident, Dean McGee Eye Institute, Department of Ophthalmology
Erin	Johnson (Venkatesh)	3/28/2008	Research Scientist, Children's Hospital, Boston, MA
Xiaoyan	Lin	8/14/2007	Associate Director WuXi AppTec , Shanghai City, China
Pushkar	Joshi	8/2/2007	Adjunct Professor, Stanford University, Dept. of Biology
Ling	Pan	8/1/2007	Research Scientist, Picower Institute for Learning & Memory
Karthik	Venkatesh	6/28/2007	Associate Director of Medical Writing, Biogen, Cambridge MA
Matthew	Bellizzi	6/4/2007	Sr. Instructor in Neurology, Division of Neuroimmunology, URM
Beth-Ann	Shanker	5/9/2007	Colon & Rectal Surgery, St. Joseph Mercy Livingston, St. Joseph Mercy Ann Arbor, St. Mary Mercy Livonia
Solomon	Shaftel	4/23/2007	Ophthalmic plastic and reconstructive surgeon, Medical Practice, San Diego, CA
Xiaohai	Wang	1/3/2007	Senior Research Biologist, Dept of Neuropharmacology, Merck Research Laboratories, Philadelphia, PA
Jason	Hamilton	11/7/2006	Novartis NY
Daniel	Zaksas	10/3/2006	Scientific VP, Dudnyk, Horsham, PA
Ziye	Sui	9/26/2006	CEO at Comed B.V.; Almere Stad Area, Netherlands; Medical Devices; Current: Analyst at Care Capital
Charles	Wuertzer	7/25/2006	Faculty, MCC, Rochester, NY
Roberto	Fernandez-Romero	6/13/2006	Medical director Roberto Fernandez, MD, MPH, PhD, The Pat Summitt Clinic's experienced multi-disciplinary team helps patients with memory disorders, and their families and caregivers. The University of Tennessee Medical Center
Jill	Weimer	9/16/2005	Associate Director & Scientist, Children Health Research Center at Sanford Research Sioux Falls, South Dakota
Kuei-Cheng	Lim	7/8/2005	Neurologist, St. Luke's University Health Network, Philadelphia, PA
Chiayu	Chiu	6/27/2005	Associate Research Scientist I Neurobiology, Yale University, New Haven, CT

Min	Zhu	6/22/2005	New England Neurological Associates, PC. Massachusetts
Zhiyong	Yang	6/6/2005	Surgical Intern, UC San Diego Health System
(Kitty) Chia-Wen	Wu	4/13/2005	Pipeline & Portfolio Planning at Genentech, San Francisco, CA
Zhenhua	Wu	3/15/2005	Principal Scientist at Merck, Philadelphia, PA
Renee	Miller	12/21/2004	Lecturer, BCS, University of Rochester, NY
Rebecca	Sappington	6/4/2004	Associate Professor, Department of Neurobiology and Anatomy, Wake Forest School of Medicine, Winston-Salem, NC
Michael	Froehler	12/18/2003	Vanderbilt Neurosurgery, Tennessee
Michael	Hanna	12/9/2003	Assistant Professor, Dept. of Biological & Environmental Sciences, Texas A&M University-Commerce, Commerce, TX
Luisa	Scott	8/14/2003	Research Associate, Department of Neuroscience, Waggoner Center for Alcohol & Addiction Research, The University of Texas at Austin
Patricia	Sheridan	8/1/2003	Study Director, Metabolon, Inc.; Adjunct Assistant Professor, Nutrition - Ops, University of North Carolina at Chapel Hill
Seth	Perry	7/24/2003	
Adnan	Siddiqui	4/23/2003	Assistant Professor of Neurosurgery, Assistant Professor of Radiology, University at Buffalo Neurosurgery, State University of New York, Buffalo, NY
Brandon	Harvey	11/15/2002	Investigator, Tenure Track, NIDA NIH
Andrew	Custer	9/25/2002	Lathrop Gage, Esq, Boston MA
David	Logan	8/5/2002	Principal Computational Scientist at Pfizer, MA
Marc	Dubin	6/18/2002	Assistant Professor in Clinical Psychiatry at Weill Cornell Medicine and an Assistant Attending Psychiatrist at New York Presbyterian Hospital
Mary	Maida	3/5/2002	THE MEDINGEN GROUP, LLC, Clerisy Corp., Rochester, NY
Deon	Harvey (Sanchez)	10/19/2001	Librarian; Director and Manager at Harvey Family, Baltimore County Public Library, MA
Elizabeth	Kriscenski-Perry	8/3/2001	Assistant Professor, Biomedical Sciences, College of Health Sciences and Technology, Rochester Institute of Technology
Tina	Huang	8/1/2001	ALSO Tufts University, Scientist III, Nutritional Immunology Laboratory; Director of Research, Transparent Corporation, Columbus, OH
Jay	Nierenberg	2001	

Randall	Hayes	2001	Founder of Agnosia Media, LLC; Freelance Columnist, Orson Scott Card's Intergalactic Medicine Show; Specialist Roster, Fullbright Commission
Nikolaus	McFarland	2001	Assistant Professor; Acting Chief of Movement Disorders Division, Department of Neurology, University of Florida College of Medicine
Bonnie	Ward	10/12/2000	
Michael	Kaplan	8/14/2000	
Anna	Yermakova Allen	6/20/2000	Practicing Ophthalmology in Albany, New York
William	Page	3/27/2000	Research Assistant Professor, Department of Neurology, Memory Care, University of Rochester Medical Center
Russell	Ferland Jr.	3/22/2000	Associate Professor, Center for Neuropharmacology and Neuroscience: Albany Medical College, The Albany Medical College, 47 New Scotland Avenue, MC-136, Albany, NY 12208
Tim	Mhyre	2000	Team Manager, Office of Sponsored Programs, Washington State University, Pullman, WA
Jess	DiGiorgianni	12/21/1999	Licensed Professional Counsellor, LCMHC, VT
Sheila	Kelley	11/5/1999	Sheila Phelps Kelley MD, PhD, Family Doctor, Webster, NY
Scott	Evans	10/21/1999	University of Washington, Psychiatry and Behavioral Sciences, Electronics and Material Engineering Shop
Stephanos	Kyrkanides	3/3/1999	Associate Dean for Research & Faculty Development, Professor & Chair, Department of Orthodontics and Pediatric Dentistry
Tracy	Callahan	2/5/1999	Community Lab Director, Biogen, Boston, MA
Michael	Gordon	7/28/1998	Lecturer I, Communication Sciences, College of Nursing and Health Sciences, The University of Vermont
Caroline	Little	7/13/1998	Women's Healing Centers, Inc., Assurex Health, A Place of Refuge Ministries
Deborah	New	5/22/1998	New Smiles Orthodontics, Rochester, NY
Jay	McLaughlin	4/9/1998	Associate Professor, Pharmacodynamics, University of Florida
James	Greene	2/20/1998	Associate Professor, Department of Neurology; Director, Neurohospitalist Program, Emory University School of Medicine
Alice	Roberts	12/17/1997	Dermatopathologist at Richfield Dermatopathology Laboratory, Cincinnati, OH
Derek	Choi-Lundberg	7/8/1997	Senior Lecturer, Division of Medicine and Paramedicine, School of Medicine, Faculty of Health, University of Tasmania, Australia

Mark	Basham	6/5/1997	Associate Professor and Director of the Neuroscience Program, Regis University, Department of Psychology, D-12 Regis University
Xiaofeng	Qi	11/25/1996	Programmer, Optometry, Indiana University, 800 E. Atwater Ave., Bloomington, IN 47405-3680
Gary	Samoriski	7/12/1996	Associate Vice President at Allergan R&D, NYC
Wu	Zhou	4/29/1996	
Kumi	Nagamoto-Combs	4/23/1996	Assistant Professor and Neuroscience Outreach Director, University of North Dakota School of Medicine & Health Services
Jay	Gibson	1/29/1996	Assistant Prof., Southwestern Medical Center, Dept. Of Neuroscience, Dallas, TX
San	Ouyang	11/29/1995	
Stephen	Breneman	8/3/1995	Associate Professor, Department of Anesthesiology & Perioperative Medicine, University of Rochester Medical Center
James	Way-Young Chen	6/2/1995	Associate Professor, Neurology, UCLA
Kevin	Kinney	4/24/1995	Professor, Biology, Depauw University, IN
Daniel	Selski	1/27/1995	Assist. Prof., Central Washington University, Dept. Of Biological Sciences, Science Building, Ellensburg, WA
Diane	Lawrence	9/30/1994	Program Official in the Division of AIDS, NIAID, National Institutes of Health, Washington, DC
Joseph	Colombo	7/20/1994	Medical Director and Executive Vice-President at Ansar, Inc., Philadelphia, PA
Tsung-i	Peng	6/28/1994	Department of Neurology Physician / Associate Professor Chang Gung University, Department of Neurology, Keelung Chang Gung Memorial Hospital, Taiwan
Willard	Wilson	6/27/1994	Acting Director - Therapy Research at Neurostream Technologies Corp, 2 Carlson Parkway, Suite 155, Minneapolis, MN, 55447
Margaret	Veruki	4/8/1994	Professor, Department of Biomedicine, University of Bergen, Norway
Sandra	Aamodt	1/21/1994	Science Writer, WINTERS, CA
Eileen	Lynd-Balta	5/5/1993	Faculty, St. John Fisher College, Rochester, NY
Thomas	Wengenack	7/25/1991	
Laura	Sim-Selley	7/9/1991	Professor, Department of Pharmacology and Toxicology, Virginia Commonwealth University
Susan	Sullivan	6/25/1991	Senior VP of Clinical Operations at Upstate NY Transplant Services, Buffalo, NY
Christine	Checkosky	6/7/1991	Empire Vision: Checkosky Christine M OD; Syracuse, NY
Stephen	Gucker	4/5/1991	Retired Patent Examiner at US federal government

Dana	Selley	3/25/1991	Professor, Pharmacology and Toxicology, Virginia Commonwealth University, Richmond, VA
Tracy	Romano	2/6/1991	Vice President of Biological Research / Chief Scientist, Mystic Aquarium
James	Maxwell	1/24/1991	
Claire	Gavin	1/21/1991	Water Testing Director at Clean Up Sound and Harbors, Connecticut
Farida	Sohrabji	10/5/1990	Assist. Prof., Texas A&M Health Science Center, sohrabji@medicine.tamhsc.edu, http://hsc-anatomy.tamu.edu/ANAT/CV-Sohrabji.html
Danru	Zhang	7/6/1990	
David	Berlove	2/5/1990	Senior Group Leader, Principal, Berlove Pharmacology Consulting, Boston, MA
Lucinda	Hemmick	10/14/1989	Teaching A.P. chemistry and science research at Longwood High School in Middle Island on Long Island
Kurt	Ackerman	9/21/1989	Associate Professor of Psychiatry, University of Pittsburgh
Fitzsimmons	Marker	6/8/1989	
Rajesh	Miranda	2/27/1989	Department of Neuroscience and Experimental Therapeutics, Interdisciplinary Program in Neuroscience
Guoying	Bing	8/4/1988	Professor, Neuroscience, University of Kentucky College of Medicine
John	Kruse	1990	Physician specializing in Psychiatry, San Francisco, CA
Sonia	Carlson	10/21/1987	
Harold	Lesser	7/14/1987	Professor of Clinical Neurology in the Department of Neurology at the University of Rochester Medical Center
Frederick	Monsma	5/1/1987	Senior Vice President, Scientific Operations, The New York Stem Cell Foundation
Jeffrey	Levine	1987	
James	Herman	10/20/1986	University of Cincinnati, Director of the Neuroscience Graduate Program; Director of Basic Neuroscience, UC Neuroscience Institute; Director of the Stress Neurobiology Laboratory

			Editor-in-chief, Annual Reviews, Palo Alto, CA
Mark	Fitzsimmons	6/11/1985	
Lazaros	Triarhou	8/8/1983	
Webster	Pilcher	1983	The Ernest & Thelma Del Monte Distinguished Professor of Neuromedicine and Chairman of Neurosurgery at the University of Rochester Medical Center in Rochester, New York
James	Reese	11/3/1980	International Coordinator, US Food and Drug Administration
Ronaldo	Riso	4/12/1979	
David	Amaral	1977	UC Davis Distinguished Professor, Beneto Foundation Chair and Research Director of The M.I.N.D. Institute The M.I.N.D. Institute, Department of Psychiatry and Behavioral Sciences, Center for Neuroscience, and the California National Primate Research Center; Director, NIH Autism Center of Excellence; Director, Autism BrainNet; Editor-in-Chief of Autism Research
Robert	Stoughton		Research Administrator, Montgomery County Human Services & Planning Development Department, University of Dayton
Michael	Levine		Chair, Graduate Interdepartmental Ph.D. Program in Neuroscience, Mental Retardation Research Center University of California at Los Angeles, 760 Westwood Plaza, Semel Institute for Neuroscience and Behavior Room, 58-258, Los Angeles, California 90095
Fred	Kim		

Justin Brucker

The Neuroscience Department would like to say a thank you to Tori D'Agostino. Tori was the Neuroscience Program Coordinator for four years and has taken a new position as Fellowship Administrator in the Department of Surgery, URMC. We wish her all the best and will miss her greatly!



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