***Mani Yavi***

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***Residency Training – Clinicial Experience***

* **Psychiatry: Saint Elizabeth Hospital, DC DBH, July 2017 – 2020**
* **Internal Medicine: SUNY Upstate Medical University, July 2016 – June 2017**

***Education***

* **M.D. SUNY Upstate Medical University, August 2012 - May 2016**
* **B.A. University of California Berkeley, August 2009 *summa cum laude***

*Double Major: Molecular and Cell Biology GPA: 3.91 / Practice of Art (Studio)*

***Additional Experience during Residency***

* ***APA-RFM Resident Fellow Member Representative (2019-2021)***
  + *Represent resident and fellow interests for Area 3 (DE, NJ, Maryland, D.C., Pennsylvania)*
  + *Develop and sponsor action papers into APA position statements, work groups*
  + *Co-Authored accepted Action Paper: 2019A2 12.M - Improving Access to the APA Database*
  + *Technology implementation committee for evaluating MH Apps*
  + *Monthly ACORF conference calls, bi-annual assembly meetings and Area-3 meetings*
* ***Washington Psychiatric Society – Board Member, CLM Chair***
  + ***Career Leadership & Mentorship:***
  + *Working with Dr. Bilenkis & Dr. Sorel on developing and delivering numerous events and platforms to enrich opportunities for residents to get involved for mentorship, leadership and advocacy work early in their careers.*
  + ***CLM 2019 Fall Welcoming Event****: Coordinated a tour of APA headquarters, plus a social hour for reqruitement & networking for residents from the various greater Washington residency programs.*
  + ***Healing the Healers Symposium****, Nov. 2019: Presented research and potential solutions on Physician Burnout, an epidemic that needs to be discussed and addressed. The event was well attended by residents and leaders in the APA.*
  + ***Mindgames****, Dec 2019: Jeopardy style competition between fesidents from the greater Washington area, including Walter Reed, George Washington, Georgetown, Howard, Saint Elizabeths Hospital. Well attended by well over 40 residents, program directors, local and national leaders in psychiatry.*
  + ***Leadership and Advocacy Workshop (LAW),*** *Jan. 2020: coordinated and presented alongside other leaders in the field on the APA’s legislative functions and how to develop a successful action paper and highlight potential opportunities for advocacy work. Well attended by 30 residents and psychiatrists.*
* ***Synapse: SEH Residency Newsletter* – *Editor***
  + *Editor for the yearly Residency Newsletter & currently working on redesigning the website*
* ***Curriculum Development Committee –******Class Representative***
  + *Working with residents and faculty to develop feedback based improvements in the curriculum*
* ***CIR: Committee of Interns and Residents – Union Delegate*** 
  + *Advocate on behalf of residents and our patients, both locally and nationally*
  + *Attend annual leadership conference for improving resident wellbeing*
  + *Contract negotiation committee for SEH residents*
* ***Research development at Saint Elizabeths Hospital***
  + *Coordinated live session participation of the 2018 TED-Med Talk*
  + *QI project on suicide risk assessments and prevention to improve patient safety*

***Research Experience***

**NIH: Developmental Neurogenomics Unit – National Institute of Mental Health *–*** *11/2017 - present*

* *Apply bioinformatics modeling and VBM analysis to large longitudinal neuroimaging datasets to determine white matter variations and neural tract impacts of sex-differences, allometry, and structure-function relationships within the central nervous system.*
* *Study the relationship between phenotypic data spanning measures of gene expression, brain structure/function, psychophysiology, cognition & behavior to empirically dissect the diverse biological pathways that can contribute to the emergence of neuropsychiatric syndromes, and might ultimately help to improve disease prediction, detection and treatment.*
* *Mentored directly by Dr. Armin Raznahan (DNU Chief). Secondly by Dr. Francis McMahon (Human Genetics Branch Chief).*

**Clinical Research through the Washington CPEP & United States Secret Service *–*** *11/2018 - present*

* *Developed IRB for retrospective cohort study of USSS referred individuals. Data collection phase.*
* *Collaborated on a retrospective analysis of illicit substance use at the CPEP*

**Upstate Medical University: Clinical Genetics Research *–*** *1/2015 – 6/2015*

* *Clinical work with Dr. Lebel in the medical genetics clinic, evaluating, diagnosing and reporting cases with often rare genetic disorders.*
* *Research on obesity led to publication of a chapter: Biological and Genetic Determinants of Obesity* (*McGraw-Hill; 2016).*

**UCSF: Medical Science Research, Ophthalmic Genetics *–*** *Slavotinek & Baier Labs: 9/2010 – 7/2012*

* *Discovered a disease causing gene: ALDH1a3 first reported mutation in a Retinoic Acid metabolism gene discovered via whole genome sequencing, found to cause Anophthalmia and Hypoplasia of Optic Chiasm. Poster presentation at the 2012 ASHG. Published 2013 AJHG.*
* *Explored the pathway of pathogenesis following the first characterization of VAX1 mutation in a human patient, published in AJHG.*
* *Discovered novel mutations in large cohort of patients with Anophthalmia, as outlined in Medical Genetics paper.*

**UCSF: Medical Science Research, Immunology *–*** *Weiss Lab,**Research Associate: 2/2010 - 8/2010*

* *Performed experiments to quantitatively characterize the significance of variable CD45 expression in the modulation of signaling (BCR/ TCR mediated) pathways that determine lymphocyte maturation, alter central tolerance and produce disease.*

**UC Berkeley: Plant Immunology Research (Internship) *–*** *Staskawicz Lab: 8/2007- 8/2008*

* *Applied genetic and biochemical approaches to characterize the molecular mechanism by which the peptide RPS2 induces apoptosis in the immune response pathway.*

**USDA: Genetic Data Analysis (Internship)** *– U.S. Department of Agriculture, Albany: 1/07 - 5/2007*

* *Analyzed sequenced genetic database of constructed cDNA libraries, looking for genes coding for functional membrane proteins that might have a role in fertilization and gamete association.*

***Clinical Volunteerism / Community Work***

* *Anatomy Art Mural project for the Anatomical Gift Ceremony. 2012-2013*
* *Art in Medicine Club – President 2013-‘15/ Vice president 2015-‘16*
* *Psychiatry club – Committee member 2012-2015*
* *AMSA American Medical Student Association: Vice President 2013-2014*
  + *National Primary Care Week 10/2013, Public Health Week Summit 4/2014, College Against Cancer fundraiser 1/2014*
* *H2Org (Healing and Housing): Developed tools to improve global healthcare & housing infrastructure (Super Adobe design) 2009-2010*
* *LIGA International – The Flying Doctors of Mercy: Medical and surgical care in rural Mexico*
  + *Medical staff volunteer, annual mission, years 2010, 2011, 2012, 2013*
* *Southwest: after school program empowering urban youth – Volunteer 2012-2014*
* *PsychSign: Psychiatry Student Interest Group Network 2014-2015*
* *Rural China volunteer mission through Zhezing people’s hospital 2016*

***Professional Society Memberships***

* + *APA: American Psychiatry Association*
  + *WSP: Washington Psychiatric Society*
  + *AMA: American Medical Association*
  + *APSA: American Physician Scientist A.*
  + *ASHG: Am. Society of Human Genetics*
  + *Golden Keys Honor Society*

***Grand Rounds Presentations:***

* *Brave New World : The Age Of Neuromodulating Implantable Devices. Saint Elizabeths Hospital, 4/18/19.*
* *Shared Molecular Neuropathology Across Major Psychiatric Disorders Parallels Polygenic Overlap. Saint Elizabeths Hospital, 3/20/2019*

***Scholarships***

* **Joseph Collins Scholar** (2013 – 2016): *Scholarship awarded to serious and cultured medical students with good scholastic record and a strong disposition towards the arts and letters, such as painting, sculpting, literature and music.*

***Hobbies and Interests***

* *Painting, Drawing, Ceramics; Playing Piano; Chess, Backgammon; Mountain Climbing, Snowboarding, Team Sports*
* *Art, Literature, History, Classical Greek, Philosophy, AI, Science and Technology, Current Socio/Economic/Politics.*