

The Neurology Center of Southern California
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Richard A. Lane, M.D.

EDUCATION

University of California, San Diego, CA Vascular Neurology Fellow • VA Hospital Stroke Quality Council Fellow	07/2019 - 06/2020
Yale New Haven Hospital, New Haven, CT Neurology Resident	07/2016 - 06/2019
Cedars-Sinai Medical Center, Los Angeles, CA Internal Medicine - Intern	06/2015 – 06/2016
Georgetown University School of Medicine, Washington D.C. M.D., Class of 2015 • Medical Education Research Scholar Track • Health Rights and Social Justice Scholar Track	08/2011 – 05/2015
Keck School of Medicine - University of Southern California, Los Angeles, CA M.S. in Experimental and Molecular Pathology • Thesis: Molecular Mechanisms and Neuropathology of Holoprosencephaly	09/2002 - 05/2005
University of California, Santa Barbara, Santa Barbara, CA	01/1997 - 05/2001

LICENSURE & CERTIFICATION

American Board of Psychiatry and Neurology, Neurology: Certified 09/2024
Medical Board of California, Physician and Surgeon License – ACTIVE
(mRS) Modified Rankin Functional Outcome Stroke Scale: Certified
(NIHSS) National Institutes of Health Clinical Deficit Stroke Scale: Certified
(HIPAA) UCSD Health Insurance Portability and Accountability Act: Certified

PROFESSIONAL SOCIETIES

American Academy of Neurology	■ Member 2017
American Heart Association – Stroke Council	■ Member 2017
National Hispanic Medical Association	■ Member 2015
American Medical Association	■ Member 2015

PROFESSIONAL EXPERIENCE

North County Neurology Associates, Carlsbad, CA
Neurologist 07/01/2020 - Present

HOSPITAL AFFILIATIONS

Tri-City Medical Center, Oceanside, California 06/29/2020 - Present
Scripps Memorial Hospital, Encinitas, California 08/10/2020 - Present
Scripps Mercy Hospital, Chula Vista, California 11/14/2022 - Present
Palomar Medical Center, Escondido, California 09/14/2020 - Present
Palomar Medical Center, Poway, California 09/14/2020 - Present

VOLUNTEER ACTIVITIES AND SERVICE

Hoya Clinic - Georgetown School of Medicine ■ 10/2011 - 05/2015
Spanish Catholic Center - Washington D.C. ■ 2012
Sarah's Circle - Washington D.C. ■ 2011

TEACHING EXPERIENCE

Yale University School of Medicine 07/2016 - 07/2019
Georgetown University School of Medicine - Peer-to-Peer Tutor 01/2013 - 05/2015
Georgetown University School of Medicine - Big Sib Lectures and Mentor 01/2013 - 05/2015
College Professor - Human Biology and General Biology 09/2007 - 06/2010
College Professor - Physiology and Human Biology 01/2005 - 06/2005
Biochemistry Laboratory Instructor 01/2004 - 05/2005
Advanced Biochemistry Seminar Instructor 01/2003 - 05/2003

RESEARCH

Clinical Trials: Co-Investigator

University of California, San Diego 06/2019-Present

1. ARCADIA: Atrial Cardiopathy and Antithrombotic Drugs in prevention after cryptogenic stroke
2. STRONG: Genetic Variation, stress, and functional outcomes after stroke rehabilitation.
3. SLEEP SMART: Sleep for Stroke Management and Recovery Trial
4. MOST: Multi-arm Optimization of Stroke Thrombolysis
5. TIMELESS: Thrombolysis in imaging-eligible late-window patients to assess the efficacy and safety of Tenecteplase.

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Department of Vascular Neurology - University of California, San Diego 08/2019

Abstract submission to 2020 International Stroke Conference.

Examination of the utilization of CT only, CT+CTA only, and hyperacute MRI during stroke codes on rates of final acute ischemic stroke diagnosis and acute stroke treatment and assess comorbidities that predict neuroimaging modality.

Georgetown University School of Medicine - Medical Education Scholar 08/2011-05/2015

Completed Medical Education Research Certificate (AAMC)

My research focused on determining whether clinical clerkship rotation timing correlated with a student's decision to pursue a specific medical specialty. Specifically, I examined whether the time-of-year in which medical students take clinical clerkships had an impact on which specialty they matched into for residency training.

Department of Pathology, Keck School of Medicine of USC 02/2004-12/2005

Postgraduate Research – Synophthalmia. Mentor: Dr. David Hinton MD, Professor Neuropathology

A predominantly literature-based project designed to identify the genetic and biochemical mechanisms resulting in synophthalmia. Current molecular deficiencies were identified, and a theoretical approach was used to help formulate future research projects and develop possible assays. Lab techniques included tissue fixation, sectioning and H&E, DAB and Immunofluorescence stains.

Department of Pathology, Keck School of Medicine of USC 09/2002-10/2003

Graduate Research – Alzheimer's disease. Mentor: Dr. Carol Miller MD, Professor Neurology and Pathology

Main research focused on establishing the role of neurogenesis in neurodegenerative diseases, particularly Alzheimer's disease. Discovery of novel cells termed "doublet cells" were determined to be present in patients with Alzheimer's, but absent in normal tissue. Research proceeded to characterize these doublet cells for cell type, morphology and regional concentration. Cells were determined to be closely associated to adult stem cells undergoing division and concentrated in the parietal and temporal cortex, as well as the hippocampus. Main techniques included, but not limited to, Western

Blots, ELISA, Microtomy, IHC and analysis, Microscopy and Spectrophotometry using demyelinating techniques.

Department of Neurobiology, David Geffen School of Medicine of UCLA 08/2001-09/2002

Staff Research Associate – Neural Injury and Repair. Mentor: Dr. Michael Sofroniew MD PhD, Professor.

Independent research dealt with genetically targeted astrocyte scar ablation and biopolymer tissue support after spinal cord injury. The study investigated a transgenic strategy to ablate reactive astrocytes in combination with implanted biopolymer nanoparticles to stimulate and support axon regeneration. Both in vivo and In vitro models were included. Project also involved cell-type specific gene ablation using the Cre/loxP system as a strategy for studying reactive astrocyte function after CNS injury. Other duties included generating, maintaining and evaluating transgenic mice, isolated DNA, PCR, performed transcatheter perfusions on rodents and assisted with animal microsurgies. Sectioned frozen brains and spinal cords with cryostat. Prepared antibody solutions, buffers, fixatives and various other media.

Assisted PI in preparing reports, abstracts, and publications of data.

HONORS AND AWARDS

Resident of the year – voted by Yale University medical students 2018- 2019

Yale Brain Pin – awarded to neurology residents with fastest door-to-needle times 2017

Awarded Plenary Talk Slot– Georgetown University School of Medicine Research Day 2015

Dean's Award - Excellence in Academic Progress Georgetown University School of Medicine 2013

READ Poster campaign - Georgetown University School of Medicine 2013

Nomination - Robert Wood Johnson Foundation - Young Leaders Award 2012

Blumberg Grant 2013

Cantor Grant 2013