

PARVANEH MOHAMMADIAN, R.PH., PH.D.

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EDUCATION

Ph.D. in Human Biology	University of Erlangen-Nuremberg, Germany	1996
B.S. and M.S. in Pharmacy	University of Erlangen-Nuremberg, Germany	1992
Chemistry 2-year Program	Technical University of Munich, Germany	1988
Pharmacy licensure	California State Board of Pharmacy (RPh #63928)	2010-present
Immunization Certification Training	from American Pharmacists Association	June 2015
Pharmacy Licensure	Bavaria State Board of Pharmacy	1992-1996
Advanced Practice Pharmacist Certificate		June 2017

TEACHING & ADMINISTRATIVE POSITIONS

Associate Professor, Vice Chair, Dept. of Life Sciences, Los Angeles Mission College (LAMC), CA

Aug. 2012-present

Director, Allied Health

Feb. 2016-Aug. 2020

Adjunct Assistant Professor

Feb. 2005-July 2012

- PI: NSF HSI: Biology/Math Project: Oversee all activities related to the project
- Co-PI: NSF ATE: Expanding the Biotechnology Pipeline to Adults Seeking Reemployment
- Co-PI: CA Education Learning Lab: Increasing equity and success – Re-envisioning calculus for life sciences
- Teach Life Science Courses and Labs (Biology, Human Anatomy, Human Physiology, Health Occupation, Environmental Sciences, Pharmacy Technician; designed online Medical Terminology course)
- Assist the Department Chair in preparing department related procedures and policies & faculty evaluations.
- Designed, developed, implemented all Allied Health programs as Career Technical Education (CTE) programs (Pharmacy Technician, Certified Nurse Assistant/Home Health aide, Medical Billing & Coding, Health Occupation Fundamentals, Biotechnology).
- Oversaw all activities related to Allied Health programs such as, curriculum development, SLO and PLO development and assessment, faculty evaluation, student recruitment, grant related reporting, graduation ceremony.
- Use Canvas (course management system) as supplemental instruction for courses
- Coordinated all Student Learning Outcomes (SLOs) and Program Learning Outcomes (PLOs) of the Life Sciences Department.

Adjunct Faculty, School of Nursing, California State University, Dominguez Hills Jan. 2014-Present

- Redesigned the “Advanced Pharmacology course”
- Teach “Advanced Pharmacology course”

Adjunct Assistant Professor, Natural Sciences Dept, Pasadena City College, CA

Oct. 2004-June 2012

- Taught Human Physiology, Introduction to Biology, and Medical Terminology courses (online and on-campus using WebCT)
- Offered Electroencephalogram (EEG) and Electrocardiogram (EKG) Workshops at Annual Girl's Science day
- Maintained a website on Blackboard.com with lecture notes, syllabus, students' presentations, latest research articles, and links to online animations/video clips

Assistant Research Physiologist, Neuropsychiatric Institute (NPI) & Hospital, UCLA, CA
Feb. 2004-July 2006

- Supervised, designed, and coordinated research projects
- Prepared and assisted with preparation of government and private research grants
- Supervised research assistants
- Prepared various reports including grant progress reports, Institutional Review Board and NPI hospital reports
- Initiated and coordinated collaboration with other research and academic facilities
- Presented research outcomes at research conferences

Director of Undergraduate Studies, Cleveland College, CA Oct. 1998-Dec 2003
Chair, Physical & Life Sciences, Cleveland College, CA Oct. 1998- Sept. 2000

- Oversaw all academic and non-academic activities of the Undergraduate Programs (Dept of Life and Physical Sciences & Dept of Humanities & Social Studies)
- Implemented new introductory science courses, basic study skill courses, in addition to a tutoring program to prepare students for the rigorous science courses
- Collaborated with the IT department to implement new online courses and trained the faculty
- Attended pre-health advisor workshops to provide academic advising to pre-professional students (pre-med, pre-pharmacy, pre-dental)
- Chaired the curriculum committee and implemented a new Associate Degree in Biological Sciences
- Taught General Chemistry I & II, Health Science Terminology, Basic Study Skills, Research in Health Science courses
- Designed and coordinated research studies & Presented research outcomes at research conferences

Scientific Research Assistant, Pain Laboratory, University of Aalborg, Denmark
Feb. 1997-Sept. 1997

- Supervised, designed, and coordinated research projects
- Assisted in recruiting and receiving of informed consents from the subjects
- Presented research outcomes at research conferences & Published research articles in peer-reviewed journals

Scientific Research Assistant, Dept. of Experimental & Clinical Pharmacology & Toxicology, Physiological Pharmacology Group, University of Erlangen, Germany Sept. 1992-Jan. 1997

- Assisted in teaching Physiology and Pharmacology & taught Physiology labs
- Supervised MD/PhD students
- Designed, oversaw, and coordinated research projects
- Prepared and received numerous research grants from government and private organizations

- Presented research outcomes at research conferences
- Published research articles in peer-reviewed journals

PHARMACY

CVS Pharmacy

Vaccination program

Feb. 2021-present

USC School of pharmacy – vaccination program volunteer

April 2021

Relief Pharmacist

July 2011-June 2012

The Marsch Village Pharmacy, La Canada, CA

Best Choice Pharmacy, Tujunga, CA

Intern Pharmacist

Glendale Adventist Hospital, Glendale, CA

Sept. 2008-Oct. 2009

GRANTS & AWARDS

- Co-PI: CA Education Learning Lab: Increasing equity and success – Re-envisioning calculus for life sciences 8/1/2021-6/30/2024
- Co-PI: NSF ATE (#2054891): Expanding the Biotechnology Pipeline to Adults Seeking Reemployment 5/1/2021-4/30/2024
- PI: NSF HSI (#1832348): Building Capacity: An intervention to improve success of biology majors in mathematics 10/1/20018-9/30/23
- PI: NSF ATE (#1700152): Increasing the Student BioTech Pipeline 2017-2021
- Arthur Rupe Foundation: Supporting Nurse Assistant Students 2019-2020
- Arthur Rupe Foundation: Supporting Nurse Assistant Students 2016-2019
- HI-TECH Fellowship 2018
- ISPIC II Biotech grant 2019/2020
- ISPIC I Biotech grant 2018/2019
- Director: TAACCCT Grant Health Career at LAMC 2016-2017
- Faculty Learning Communities Equity Grant, LAMC 2017
- Oversee Regional and Local Biotech grants 2017-2020
- Summer STEM Workshop Equity Grant, LAMC 2017
- Certificate of Appreciation - California State University, Dominguez Hills, CA 2016
- PI: KickStarter Program supported by Science Foundation Arizona (funded by NSF) 2015
- STEM Reading Apprenticeship Grant by WestEd 2015
- American Physiology Scholars Award 2014
- STEM Reading Apprenticeship 2014
- Etudes (various professional development certificates) 2012-2015
- Certificate of Appreciation - LAMC/Student Success Center 2011
- Outstanding Service Award – LAMC 2005
- Outstanding Service Award – Cleveland College 2003
- ACC Chirolan/Research (Faculty-Student—Research-Mentorship Program) 2002
- ACC Chirolan/Research (Faculty-Student—Research-Mentorship Program) 2001

- Research award Cleveland College Faculty mentor 2001
- Academic scholarship: Women in Science, Germany 1996
- Academic scholarship: Talented Scholars, Germany 1992

COMMITTEE MEMBERSHIP

Grants committee, LAMC	2020-present
Serve as a reviewer NSF & Department of Education MSEIP	2018-present
Student Support Services Committee	2020-present
Life Science Department Senator	2018-present
Curriculum Committee Member, LAMC	2017-2021
SABER (Society of Biology Education Research) meeting co-organizer	2019 & 2020
Faculty Hiring Committee, LAMC	2017-2018
CTE Committee, LAMC	2017-present
Program Review Oversight Committee, LAMC	2016-2019
Work Environment Committee, LAMC	2015-2017
Learning Outcome & Assessment Committee, LAMC	2015-2016
Information Technology Committee, LAMC	2014-2015

PROFESSIONAL MEMBERSHIP/REVIEWER

Advances in Physiology Education Journal (reviewer)
 American Physiology Society
 California Pharmacists Association

PUBLICATIONS (peer-reviewed):

Mohammadian P, Rezaie Boroon P, Tang S, Pakzad M, and Gojgini S (2020) Success and retention of community college students in hybrid versus face-to-face anatomy courses; [Journal of STEM Education: Innovations and Research, Vol 22 \(1\) 2021.](#)

Kunz, M., Mohammadian, P., Renner, B., Roscher, S., Kobal, G., and Lautenbacher, S. (2014) Chemo-somatosensory evoked potentials: A sensitive toll to assess conditioned pain modulation? *Somatosensory & Motor Research* Feb 1-10.

London, E.D., Berman, S.M., Mohammadian, P., Ritchie, T., Mandelkern, M.A., Susselman, M.K., Schlagenhaut, F., Noble, E.P. (2009) Effect of the TaqIA polymorphism on ethanol response in the brain, *Psychiatry Res.*, Dec 30;174(3):163-70. Nov 13.

Berman, S., Noble, E.P., Mohammadian, P., Ritchie, T., Mandelkern, M.A., and London, E. (2009) Laterality of cortical response to ethanol is moderated by TaqIA A1 Allele. *Synapse* (63): 817-821.

Mohammadian, P., Gonsalves, A., Tsai, C., Hummel, T., and Carpenter T. (2004) Single Chiropractic adjustment reduces the areas of secondary hyperalgesia and allodynia induced by capsaicin. *JMPT*, 27 (6): 381-387.

Hummel, T., Mohammadian, P., Marchl, R., Kobal, G., Lotsch, J. (2002) Pain in the trigeminal system: irritation of the nasal mucosa using short- and long-lasting stimuli. *International J of Psychophysiology*, 47 (2): 147-158.

Mohammadian, P., Hummel, T., Arora, C., and Carpenter, T. (2001) Peripheral levels of inflammatory mediators in migraineurs during headache-free periods. *Headache* 41: 867-872.

Mohammadian, P., Andersen, O.K., and Arendt-Nielsen, L. (1998) Correlation between local vascular and sensory changes following tissue inflammation induced by repetitive application of capsaicin. *Brain Research* 792 (1-9).

Mohammadian, P., Schaefer, D., Hummel, T., and Kobal, G. (1998) Experimentally induced nasal irritation. *Rhinology* Dec 37 (4): 175-178.

Hummel, T., Mohammadian, P., and Kobal, G. (1998) Handedness is a determining factor in lateralized olfactory discrimination. *Chemical Senses* 23: 541-544.

Kaupilla, T., Mohammadian, P., Nielsen, J., Andersen, O.K., and Arendt-Nielsen, L. (1998) Capsaicin-induced inflammation impairs spatial discrimination in man: indirect evidence for experimental inflammation-induced increased receptive fields in the central nervous system. *Brain Research* 797 (361-367).

Hummel, T., Cramer, O., Mohammadian, P., Geisslinger, G., Pauli, E., and Kobal, G. (1997) Comparison of the antinociception produced by two oral formulations of ibuprofen: ibuprofen effervescent vs. ibuprofen tablets. *European Journal of Pharmacology* 52: 107-114.

Mohammadian, P., Hummel, T., Loetsch, J., and Kobal, G. (1997) Bilateral hyperalgesia to chemical stimulation of the nasal mucosa following unilateral inflammation. *Pain* 73 (3): 407-412.

Kettenmann, B., Mohammadian, P., Pauli, E., Kobal, G., and Stefan, H. (1997) Chemosensory event-related potentials in patients with temporal-lobe epilepsy before and after focus resection. *Epilepsia* 38 (1997): p77.

Loetsch, J., Mohammadian, P., Hummel, T., Florin, S., Geisslinger, G., and Kobal, G. (1995) Effects of azapropazone on pain-related brain activity in human subjects. *British Journal of Pharmacology* 40: 545-552.

Loetsch, J., Geisslinger, G., Mohammadian, P., Brune, K., and Kobal, G. (1995) Effects of flurbiprofen enantiomers on pain-related chemosomato-sensory evoked potentials in human subjects. *British Journal of Pharmacology* 40: 339-346.

ABSTRACTS & PRESENTATIONS & WORKSHOPS:

Arora, C., Mohammadian, P. (2021) Expanding the Biotech Pipeline to adult seeking employment. Showcase at NSF ATE 2021 Virtual PI Conference.

Mohammadian, P. (2021) Student Centered Intervention to Increase Success of Biology Majors in Mathematics. Presentation at AHSIE 2021 Conference. Virtual presentation.

Mohammadian, P. (2020) Staying Innovative to Increase the Student Biotech Pipeline. Showcase at NSF ATE 2020 PI Conference. Virtual video presentation.

Grierson, A. and Mohammadian, P. (2020) Increasing Student Success by Contextualizing Math in CTE Programs. Synergy Session at NSF ATE October 2020 PI Conference. Virtual live presentation.

Mohammadian, P. (2020) Transfer ready culture: Faculty's role. Presentation at LAMC Flex day. August 2020

Haroyan, L., Mohammadian, P., and Seubert, E. (2020) How do inquiry-based labs enhance scientific thinking? Workshop Series: Apprentice Students into STEM Thinking, August 2020.

Mohammadian, P. (2020) Winter Math Academy for STEM majors – A pilot study. Poster presentation at the National SABER Virtual Meeting, July 2020.

Mohammadian, P. and Arora, C. (2020) Increasing the Student Biotech Pipeline – From Classroom to Career. Presentation at HI-TECH Virtual meeting July 2020.

Mohammadian, P. (2020) Canvas Presentation for faculty. Virtual Zoom presentation.

Mohammadian, P. (2020) Increasing critical reasoning. Spring Faculty professional development day at Los Angeles Mission College, Sylmar, CA.

Mohammadian, P. (2020) Applying Reading Apprenticeship Strategies – Workshop offered at Pima Community College, Tucson, AZ.

Mohammadian, P., Ridgway, S., Suarez, N., Wang, S. (2020) Forming Research and Teaching Collaborations Between 2- and 4-year Colleagues. Workshop presentation at SABER West 2020, University of California, Irvine, CA.

Mohammadian, P. and Akl, C., Livio, D., Samii, B., (2020) An Intervention to Improve Success of Biology Majors in Mathematics. Poster presentation at SABER West 2020, University of California, Irvine, CA.

Arora, C., Velazquez, P., Solorzano, D., Koomchana, T., Christensen, T., and Mohammadian, P. (2020) Integrating project-based learning in a science lab. Poster presentation at SABER West 2020, University of California, Irvine (UCI), CA.

Mohammadian, P. (2020) An Intervention to Improve Success of Biology Majors in Mathematics. 2nd annual UCLA Inclusive Excellence Summit, January 2020, University of California, Los Angeles (UCLA), CA.

Mohammadian, P. and Akl, C. (2019) An Intervention to Improve Success of Biology Majors in Mathematics. NSF HSI PI Annual Conference. Washington DC.

Arora, C., Mohammadian, P. (2019) Increasing the Student Biotech Pipeline. Showcase at NSF ATE 2019 Conference. Washington DC, USA.

Mohammadian, P. (2019) Discussing reading apprenticeship strategies with science students. Presentation at 4th annual CA statewide Reading Apprenticeship Conference. Irvine, CA, USA

Mohammadian, P. (2018) Increasing the Student Biotech Pipeline. Showcase at NSF ATE 2018 Conference. Washington DC, USA.

Mohammadian, P. and Brown, S. (2018) Increasing the Student Biotech Pipeline – From Recruitment to Employment. Discussion Session at NSF ATE 2018 Conference. Washington DC, USA.

Williams, C., Mohammadian, P. (2018) Utilizing Humor in the Classrooms. Presentation at 2018 Faculty FLEX Day. Los Angeles Mission College, Sylmar, CA, USA

Pickering, C., Vasquez, S., and Mohammadian, P. (2018) Kickstarter: Recasting your HSI as a community of innovation to serve LatinX STEM student success. Presentation at AHSIE 2018 Conference, Chicago, USA

- Mohammadian, P. (2018) A metacognitive approach to reading science text. Presentation at annual SABER West meeting. University of California, Irvine, CA, USA
- Mohammadian, P. (2018) Implementation of reading apprenticeship (RA) in science classes for faculty new to RA. Presentation at 3rd annual CA statewide Reading Apprenticeship Conference. Kellogg Conference Center, Pomona, CA, USA
- Mohammadian, P. (2017) Facilitating effective meetings. Presentation at 2017 Faculty FLEX Day. Los Angeles Mission College, Sylmar, CA, USA
- Mohammadian, P. (2017) Increasing the Student Biotech Pipeline. Showcase at NSF ATE 2017 Conference. Washington DC, USA
- Mohammadian, P. (2017) Student Equity and Success: Part-time and full-time faculty Engagement in Faculty Learning Communities (FLC). 2017 Strengthening Student Success Conference, San Francisco, CA, USA
- Mohammadian, P. (2017) What is my Hypothesis? A metacognitive approach to teaching science courses. Presentation at first annual Society of Biology Research Education (SABER) West meeting. University of California, Irvine, CA, USA
- Gonzales, K. and Mohammadian, P. (2016) BioFeud: A Collaborative Activity that promotes Learning. Presentation at Institutional Design and Innovation Conference. [Academic Senate for California Community Colleges](#). Riverside, CA, USA.
- Mohammadian, P. (2015) Do you read a science book like a novel? A metacognitive reading approach. Presentation at the 7th Annual HIS/Title V Best Practices Conference in San Antonio, Texas, USA.
- Berman, S., Noble, E., Mohammadian, P., Ritchie, T., Schalgenghauf, F., London, E.D. (2008) Influence of the DRD2 A1 allele on ethanol-induced change in cerebral glucose metabolism: Evidence for enhanced effects on reward/reinforcement. Poster Presentation, Neuroscience Annual Meeting, Washington, DC, USA.
- Mohammadian, M., Hashemian, K., Amini, M., Mohammadian, P. (2007) Does classical music influence depression? Poster Presentation. Neuroscience Annual Meeting, San Diego, CA, USA.
- Noble, E.P., Mohammadian, P., Ritchie, T., Berman, S.M., Schalgenghauf, F., London, E.D. (2007) Effects of acute ethanol on cerebral glucose metabolism, Influence of the DRD2 A1 Allele. Poster Presentation. ACNP 2007, Boca Raton, FL., USA.
- Mohammadian, M., Hashemian, K., Amini, M., Mohammadian, P. (2007) Does classical music influence depression? Poster Presentation. Neuroscience Annual Meeting, San Diego, CA, USA.
- Mohammadian, P., Gonsalves, A., Tsai, C., Hummel, T., and Carpenter T. (2003) Investigation of mechanisms underlying Chiropractic Adjustment using an experimental human Pain model - facilitation induced by a single chiropractic adjustment. Platform presentation. World federation of Chiropractic (WFC), Orlando, Florida.
- Pamula, S and Mohammadian, P. (2003) Impact of capstone course on student's intellectual development. The journal of chiropractic Education, ACC 2004, Las Vegas/USA.
- Mohammadian, P., Gonsalves, A., Tsai, C. and Carpenter, T. (2002) The Effect of Single Chiropractic Adjustment on Pain Perception and Inflammatory Reactions using a Human Pain/Inflammation Model. The Journal of Chiropractic Education 16 (1): 85.
- Mohammadian, P., Gonsalves, A., Tsai, C., Hummel, T. and Carpenter T. (2002) Reduction of areas of secondary hyperalgesia and allodynia by a single spinal Manipulation. Poster Presentation at 10th World Congress on Pain, San Diego, USA.
- Mohammadian, P., Gonsalves, A., Tsai, C., Hummel, T., and Carpenter T. (2002) Single Chiropractic adjustment reduces the areas of secondary hyperalgesia and allodynia induced by capsaicin. Platform presentation, 9th International Conference for Spinal Manipulation, Toronto, Ontario, Canada.
- Mohammadian, P. and Carpenter, T. (2001) An Investigation of the Peripheral Trigeminovascular System – Nasal lavage as an objective diagnostic tool in migraine? The journal of chiropractic Education, 15 (1) ACC 2001, San Diego/USA.
- Mohammadian, P., Hummel, T., Arora, C., and Carpenter, T. (2001) Decreased Peripheral Levels of Leukotriene B4 in Migraineurs during Headache-free Periods using Nasal Lavage and Saliva. American Pain Society 21st Annual meeting, Arizona.

Mohammadian, P., Hummel, T., Arora, C., and Carpenter, T. (2001) Measuring Levels of inflammatory mediators using nasal lavage and saliva -- A new Objective method to investigate physiological effects of spinal manipulation? World Federation of Chiropractic 6th Biennial Congress, France.

Mohammadian, P., Tsai, C. and Carpenter, T. (2001) The Effect of Single Spinal Manipulation on Pain Perception, Prostaglandin E2 and Substance P levels, and Inflammatory Reactions using a Human Pain/Inflammation Model. ACC Chiroloan Scholarship award.

Mohammadian, P., Andersen, O.K., and Arendt-Nielsen, L. (2000) Local vascular and sensory changes following topical application of ibuprofen on a capsaicin induced hyperalgesia. "30th annual meeting" Society for Neurosciences, New Orleans/USA.

Mohammadian, P., Andersen, O.K., and Arendt-Nielsen, L. (1997) Correlation between local vascular and sensory changes following tissue inflammation induced by repetitive application of capsaicin. Abstract at "American Pain Society", 15th Annual Scientific Meeting, October 1995 in New Orleans/USA.

Mohammadian, P., Schaefer, D., Hummel, T., Baenkler, H.W., and Kobal, G. (1996) A model of reversible inflammation in man. Archives of Pharmacology, Supplement to volume 353 (4), R150, Abstract 572.

Mohammadian, P., Schaefer, D., Hummel, T., Baenkler, H.W., and Kobal, G. (1996) Reversible inflammation in man. 8th World congress on pain. August 1996, Vancouver/Canada.

Lautenbacher, S., Roscher, S., Mohammadian, P., and Kobal, G. (1996) DNIC-like effects in the trigeminal pain system. Abstract at the "8th World Congress on Pain" in Vancouver/Canada.

Mohammadian, P., Schaefer, D., Hummel, T., Baenkler, H.W., and Kobal, G. (1996) Experimentally induced pain in man. Chemical Senses 21 (4).

Roscher, S., Mohammadian, P., Schneider, A., and Kobal, G. (1996) Olfactory input facilitates trigeminal chemosensitivity. Abstract at the ECRO XII in Zurich/Switzerland.

Cramer, O., Hummel, T., Mohammadian, P., Loetsch, J., Geisslinger, G., and Kobal, G. (1996) Comparison of the antinociception produced by two oral formulations of ibuprofen: ibuprofen effervescent vs. ibuprofen tablets. Archives of Pharmacology 1 (354) No. 4.

Mohammadian, P., Loetsch, J., Hummel, T., Geisslinger, G., and Kobal, G. (1995) Effects of azapropazon on pain-related brain activity in human subjects. Deutsche Gesellschaft fuer Experimentelle Pharmakologie und Toxikologie. March 1995 Main/Germany.

Mohammadian, P., Hummel, T., Loetsch, J., and Kobal, G. (1995) Interaction between tonic and phasic painful stimulation of the nasal mucosa: Activation or inhibition? Pharmacological Research Volume 31 Supplement. Abstract at "First European Congress of Pharmacology" June 1995 in Milan/Italy.

Loetsch, J., Mohammadian, P., Kettenmann, B., Brune, K., and Kobal, G. (1995) Analgesic Effects of flurbiprofen-enantiomers. The fifth international evoked potentials symposium. September 1995 in Milan/Italy.

Mohammadian, P., Hummel, T., and Kobal, G. (1995) Phasic Pain Inhibits Tonic Pain. Abstract at "American Pain Society", 14th Annual Scientific Meeting, November 1995 in Los Angeles/USA.

Mohammadian, P., Schaefer, D., Hummel, T., Baenkler, H.W., and Kobal, G. (1995) Experimentally induced pain in man. Olfactory bioresponses in Man conference, December 1995, Erlangen/Germany.