

Amanda L. Yonan, PhD

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Education:

- 2000 – 2005 Ph.D. Genetics, Columbia University, New York, New York
2000 – 2003 M.Phil. Genetics, Columbia University, New York, New York
2000 – 2001 M.A. Genetics, Columbia University, New York, New York
1997 – 1999 B.S. Biochemistry and Cell Biology, University of California San Diego, San Diego, California
1995 – 1997 Modesto Junior College, Modesto, California

Positions:

- 2017 – Present Teaching Associate Professor, University of Nevada, Reno, Reno, NV
2005 – 2017 Senior Lecturer, University of Vermont, Burlington, VT
2005 – 2015 Instructor, Community College of Vermont, Winooski, VT
2000 – 2005 Graduate Student, Dr. T. Conrad Gilliam, Columbia University, New York, NY
2004 – 2005 Guest Lecturer; Undergraduate and Medical courses at Columbia University, New York, NY
2004 Teaching Assistant; Genetics, Drs. Aviv and Russo, Columbia University, New York, NY
1999 – 2000 Organic Chemistry Laboratory Instructor, California State University, Chico, Chico, CA
1999 Bioinformatics researcher, Elitra Pharmaceuticals, San Diego, CA
1999 Laboratory Technician, Dr. Robert H. Tukey, University of California San Diego, San Diego, CA

Textbooks:

Unique Identifier: Introduction to DNA Profiles

By Amanda L. Yonan

1st Edition – Published by Kendall/Hunt (2010)

ISBN: 9780757572784

2nd Edition – Published by Kendall/Hunt (2013)

ISBN: 9781465210890

Biology 192 Principles of Biological Investigations (Lab Manual)

By Department of Biology at University of Nevada, Reno

(I edited the lab manual from Dr. Pravosudova's 3rd Edition)

4th Edition – Published by MacMillan Learning

ISBN: 9781319212353

5th Edition - Published by MacMillan Learning

ISBN: 9781319281502

6th Edition - Published by MacMillan Learning

ISBN: 9781319492243

Courses Taught:

Genetics

Human Genetics

Advanced Genetics & Cell Biology Laboratory

Introductory Biology

Introductory Biology Laboratory

Genetics of Cell Cycle Regulation

Developmental Molecular Genetics

Population Genetics

Introduction to Forensic Biology

Forensic DNA Analysis

Scientific Integrity colloquium

Epigenetics colloquium

Developmental Neurobiology

Organic Chemistry and Biochemistry

Dinosaurs

Articles:

Amanda L. Yonan, Abraham A. Palmer and T. Conrad Gilliam Hardy-Weinberg Distortion Identified Genotyping Error of the Serotonin Transporter (SLC6A4) Promoter Polymorphism. *Psychiatric Genetics*, February 2006; 16(1):31-34

Maricela Alarcón, **Amanda L. Yonan**, T. Conrad Gilliam, Rita M. Cantor and Daniel. H. Geschwind Quantitative Genome Scan and Ordered-Subsets Analysis of Autism Endophenotypes Support Language QTLs. *Molecular Psychiatry*, August 2005; 10(8):747-757

Jennifer L. Stone, Barry Merriman, Rita M. Cantor, **Amanda L. Yonan**, T. Conrad Gilliam, Daniel H. Geschwind, Stanley F. Nelson Evidence for sex-specific risk alleles in autism spectrum disorder. *American Journal of Human Genetics*, December 2004; 75(6):1117-1123

Miguel Verbitsky, **Amanda L. Yonan**, Gaël Malleret, Eric R. Kandel, T. Conrad Gilliam and Paul Pavlidis Altered Hippocampal Transcript Profile Accompanies an Age-related Spatial Memory Deficit in Mice. *Learning and Memory*, May 2004; 11(3):253-260

Amanda L. Yonan, Abraham A. Palmer, Kenneth C. Smith, Igor Feldman, Homin K. Lee, Jason M. Yonan, Stuart G. Fischer, Paul Pavlidis and T. Conrad Gilliam Bioinformatic Analysis of Autism Positional Candidate Genes Using Biological Databases and Computational Gene Network Prediction. *Genes, Brain and Behavior*, October 2003; 2(5):303-320

Amanda L. Yonan, Maricela Alarcón, Rong Cheng, Patrik K. E. Magnusson, Sarah J. Spence, Abraham A. Palmer, Adina Grunn, Suh-Hang Hank Juo, Joseph D. Terwilliger, Jianjun Liu, Rita M. Cantor, Daniel H. Geschwind, and T. Conrad Gilliam A Genomewide Screen of 345 Families for Autism Susceptibility Loci. *American Journal of Human Genetics*, October 2003; 73:886-897

Amy Chen, Isabel A. Muzzio, Gael Malleret, Dusan Bartsch, Miguel Verbitsky, Paul Pavlidis, **Amanda L. Yonan**, Svetlana Vronskaya, Micheal B. Grody, Ivan Cepeda, T. Conrad Gilliam, Eric R. Kandel Inducible Enhancement of Memory Storage and Synaptic Plasticity in Transgenic Mice Expressing an Inhibitor of ATF4 (CREB-2) and C/EBP Proteins. *Neuron*, August 2003; 39:655-669

Abstracts:

AL Yonan, IJ Chacon, R Cheng, E Cayanis, JD Terwilliger, AA Palmer, TC Gilliam Analysis of Multiple Polymorphisms in the Serotonin Transporter (SLC6A4) in Autistic and Control Populations *American Society of Human Genetics*, October 2004; 1851

AL Yonan, M Alarcón, R Cheng, A Grunn, AA Palmer, JD Terwilliger, J Liu, RM Cantor, DH Geschwind, and TC Gilliam A Genomewide Screen of 345 Families For Autism

Susceptibility Loci Yields Suggestive Evidence Within One Megabase of the Serotonin Transporter. Society for Neuroscience, November 2003; 647.3

Memberships, Grants and Honors:

2022	Nominated for LeMay Award for Excellence in Teaching
2019	ACUE Accreditation in Effective Instruction
2015	University Wide Instructional Grant to Develop an Interdisciplinary Course in Human Evolution
2013	Engaging Students in Large Enrollment Classes Workshop and Grant
2011	The BCOR Lab Initiative Award
2004	Columbia University, Department of Genetics and Development Retreat Poster Prize
2003 – 2005	New York Academy of Sciences
2003 – 2005	Society of Neuroscience
2001 – 2005	American Society of Human Genetics
2000 – 2003	NIH Predoctoral Training Grant in Genetics and Development: 5 T32 GM07088 (years 26, 27 and 28)
1997 – 1999	Provost's Honors at University of California, San Diego

Supervision, Tutoring or Training of Students:

2017 – Present	Teaching Associate Professor, University of Nevada, Reno. Developing and teaching undergraduate courses and mentoring graduate students.
2005 – 2017	Senior Lecturer at University of Vermont. Developing and teaching undergraduate and graduate level courses.
2005 – 2015	Instructor at Community College of Vermont, Winooski. Developing and teaching undergraduate courses.
2005	Invited guest lecturer for undergraduate Genetics course at Columbia University. Gave a lecture on Human Genetics and Linkage Analysis.
2004	Invited guest lecturer for medical school at Columbia University. Gave two lectures, covering human genetics and molecular biology techniques.
2004	Teaching Assistant for undergraduate genetics course at Columbia University. Led a weekly problem session to help the students comprehend class lectures, complete homework and prepare for exams.
2000 – 2005	Trained fellow graduate students in bench work and molecular biology in the Gilliam Lab at Columbia University.
1999 – 2000	Laboratory Instructor at California State University, Chico. Teaching and supervising undergraduate laboratory courses.

Public Presentations, Lectures, Seminars:

2017 – Present	Teaching Associate Professor, University of Nevada, Reno. Teaching undergraduate courses
2005 – 2017	Senior Lecturer at University of Vermont. Teaching undergraduate and graduate level courses.
2005 – 2015	Instructor at Community College of Vermont, Winooski. Teaching undergraduate courses.
2004 – 2005	Invited Lectures, “Linkage Analysis; Or Finding the Diamond on the Football Field” Columbia University, undergraduate Genetics course # 3031/4031 (Invited two consecutive years)
2004	Poster presentation, “Analysis of Multiple Polymorphisms in the Serotonin Transporter (SLC6A4) in Autistic and Control Populations.” American Society of Human Genetics annual meeting, Toronto, Canada
2004	Poster presentation, “Hardy-Weinberg Distortions in the Promoter Polymorphism of the Serotonin Transporter” Columbia University, Department of Genetics and Development, 2004 Retreat
2003	Poster presentation, “A Genomewide Screen of 345 Families For Autism Susceptibility Loci Yields Suggestive Evidence Within One Megabase of the Serotonin Transporter.” Society for Neuroscience annual meeting, New Orleans, LA
2003	Slide Talk, “The Search for Autism Susceptibility Loci” Columbia University, Department of Genetics and Development, 2003 Retreat
2002	Slide Talk, AGRE SNP consortium, American Society of Human Genetics annual meeting, Baltimore, MD
2002	Poster presentation, “A Genome-wide Scan for Autism Susceptibility Loci” Columbia University, Department of Genetics and Development, 2002 Retreat
2001 – 2005	Seminar speaker, Department of Genetics and Development Student/Postdoctoral Seminars, Columbia University
2000 – 2005	Speaker, Gilliam Lab Meeting, Columbia University
1999	Speaker, Tukey Lab Meeting, University of California, San Diego

References:

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