















COLLEGE OF SCIENCE FACULTY RECEPTION 2023















September 19, 2023

Health Sciences Innovation Building

2023 College of Science Faculty Reception

September 19, 2023 Health Sciences Innovation Building Program begins at 6:00pm

INTRODUCTION

Brad Story Associate Dean, Faculty Affairs

WELCOME AND AWARDS OVERVIEW

Carmala Garzione Dean, College of Science

University of Arizona Honors and Awards

Susan Beck

Professor, Geosciences Women of Impact, University of Arizona

Gurtina Besla

Associate Professor, Astronomy and Steward Observatory Women of Impact, University of Arizona

Martha R.C. Bhattacharya

Associate Professor, Neuroscience The Margaret M. Briehl and Dennis T. Ray Five Star Faculty Award, University of Arizona

Laura Condon

Associate Professor, Hydrology and Atmospheric Sciences Women of Impact, University of Arizona

Carmala "Carmie" Garzione

Dean, College of Science Professor, Geosciences Women of Impact, University of Arizona

Thomas Gianetti

Associate Professor, Chemistry and Biochemistry Startup of the Year, Tech Launch Arizona

Rebecca Gomez

Associate Dean, College of Science & Professor, Psychology Endowed Academy of Scholars for Teaching Excellence Award, W.A. Franke Honors College

Amy Graham

Associate Professor of Practice, Chemistry and Biochemistry Gerald J. Swanson Prize for Teaching Excellence, University of Arizona

Jeannette Hoit

Professor, Speech, Language, and Hearing Sciences Faculty Peer Mentor Award, University of

Chris Impey

Arizona

Distinguished Professor, Astronomy Faculty Fellowship, Udall Center Ted and Shirley Taubeneck Superior Teaching Award, Humanities College

Michael Marty

Associate Professor, Chemistry and Biochemistry Distinguished Scholar Award, University of Arizona

Jennifer McIntosh

Professor, Hydrology and Atmospheric Sciences

14th Cohort for the Academic Leadershp Institute Fellow, University of Arizona

Oliver Monti

Professor, Chemistry and Biochemistry Arizona Champion, Office of the Provost

Andrew Pack

Assistant Professor, Molecular and Cellular Biology Early Career Scholar Award, University of Arizona

Mary Peterson

Professor, Psychology Women of Impact, University of Arizona

Robin Polt

Professor, Chemistry and Biochemistry Inventor of the Year, Tech Launch Arizona

Lisa Rezende

Associate Professor, Molecular and Cellular Biology

Wildcat Achievement Award, Student Success and Retention Innovation

Joyce Schroeder

Professor, Molecular and Cellular Biology Distinguished Innovation & Entrepreneurship Award, University of Arizona

Shufang Su

Professor and Department Head, Physics Women of Impact, University of Arizona

Jennifer Wolfe

Associate Professor, Mathematics Leicester and Kathryn Sherrill Creative Teaching Award, University of Arizona Foundation

2023 Issued Patent Inventors in the College of Science

Tech Launch Arizona (TLA) has initiated a new program to recognize University of Arizona inventors on patents issued in the previous fiscal year, acknowledging the contributions they make to increasing the impact of UA research. These individuals are also being awarded a coin that recognizes their specific patent(s) at World IP Day. Alphabetical by Department.

Daniel Apai, Professor

Astronomy/Steward Observatory
"An Optical Device Comprising a Multi-Order
Diffractive Fresnel Lens (MOD-DFL) And An
Acrhomatizing Compensation Mechanism,
and a Method For Enhancing Images That
Are Captured Using The MOD-DFL"

Peter Behroozi, Associate Professor

Astronomy/Steward Observatory "Reliable Determination Of Contact Angle Of Sessile Drops"

Christopher Walker, Professor

Astronomy/Steward Observatory "Amplified Deformable Mirror"

Minying Cai, Research Professor

Chemistry and Biochemistry
"Novel Modulators of Melanocortin
Receptors for the Treatment of Depresion
and Anxiety"

Iman Daryaei, Instructional Specialist, Senior

Chemistry and Biochemistry "Method of Synthesizing 18F Radiolabeled Biomolecular Agents"

Michael Heien, Associate Professor

Chemistry and Biochemistry
"Portable Instrument For Field Ready
Electrochemical Experimentation"
"Micelles And Vesicles For The Delivery Of
Glycopeptides"

Douglas Loy, Professor

Chemistry and Biochemistry & Materials Science and Engineering "Photochemically Stable, Non-Leaching, Bridged Polysilsesquioxane Based Sunscreens"

Robin Polt, Professor and Lajos Szabo, Senior Research Scientist

Chemistry and Biochemistry
"Micelles And Vesicles For The Delivery Of
Glycopeptides"

Jeff Pyun, Professor

Chemistry and Biochemistry
"Metallopolymers For Catalytic Generation
Of Hydrodgen"

"Chalcogenide Hybrid Inorganic/Organic Polymers (CHIPs) for Infrared Optical Materials and Devices"

"Chalcogenide Hybrid Inorganic/Organic Polymer (Chip) Materials As Improved Crosslinking Agents For Vulcanization"

Elisa Tomat, Professor

Chemistry and Biochemistry "Redox-Activated Pro-Chelators"

Michael Worobey, Professor and Department Head

Ecology and Evolutionary Biology "Methods And Systems For RNA OR DNA Detection And Sequencing"

Marek Rychlik, Professor

Mathematics

"A Method And System Utilizing Quintuple Parity To Provide Fault Tolerance"

Andrew Capaldi, Associate Professor

Molecular and Cellular Biology "Methods And Compositions For Treating Eukaryotic Infections Via Altering Aggregation Dynamics Of Raptor/Kog1"

College of Science Honors and Awards

Galileo Circle Awards

The Galileo Circle is a society of individuals who support excellence in the sciences at the University of Arizona. The Galileo Circle Awards, established through the generosity of Galileo Circle members, recognize outstanding accomplishments of faculty and staff.

Galileo Circle Fellows

Galileo Circle Fellows are the college's most distinguished faculty. They have a deep understanding of a broad range of science, a willingness to think in a truly interdisciplinary way, and an ability to inspire colleagues and students alike.

Shufang Su

Professor, Physics Galileo Circle, Fellow

Galileo Circle Copernicus Awards

The Copernicus Award recognizes the extraordinary accomplishments of non-tenure eligible faculty and staff who significantly advance the mission of their department and the knowledge base of their discipline.

Amy Graham

Associate Professor of Practice, Chemistry and Biochemistry *Galileo Circle, Copernicus Award*

Mark Buglewicz

Associate Director, Steward Observatory & Head of Business Services, Astronomy Galileo Circle, Copernicus Award

Galileo Circle Curie Awards

The Curie Award recognizes the "risingstars" among the department's junior tenure-track faculty, whose innovative work is not only advancing science, but also adding to diversity within the scientific community.

Thomas Gianetti

Assistant Professor, Chemistry and Biochemistry Galileo Circle, Curie Award

Erika Hamden

Associate Professor and Associate Astronomer, Astronomy/Steward Observatory Galileo Circle, Curie Award

Megha Padi

Assistant Professor, Molecular and Cellular Biology *Galileo Circle, Curie Award*



This event is partially underwritten by a generous contribution from the Galileo Circle, a society of individuals who support excellence in the sciences at the University of Arizona.

Teaching and Advising Awards

Gurtina Besla

Associate Professor & Associate Astronomer, Astronomy/Steward Observatory Distinguished Early-Career Teaching Award

Kara Dyson

Senior Academic Advisor II, Molecular and Cellular Biology Distinguished Advising Award

Amy Graham

Associate Professor of Practice, Chemistry and Biochemistry Distinguished Career Teaching Award

Susan Hester

Assistant Professor of Practice, Molecular and Cellular Biology

Distinguished Achievement in Science Education

Vicky Tzuyin Lai

Assistant Professor, Psychology
Distinguished Student Mentoring Award

Laura Van Dorn

Associate Professor of Practice, Chemistry and Biochemistry Innovation in Teaching Award

Dean's Education and Innovation Award

This award is made possible by the Arthur L. and Lee G. Herbst Endowment for Innovation and the Dean's Innovation and Education Fund. This funding award encourages the contributions of the College of Science faculty (individual or group) by providing additional financial support in advancing their research programs as well as creating opportunities for undergraduate students to gain research experience. Awardee selection is based on projects involving one or more undergraduate student(s) in an innovative research experience that enhances both the students' education and contribute directly to the faculty member's research plan.

Alex Badyaev

Professor, Ecology and Evolutionary Biology Dean's Education and Innovation Award

Solange Duhamel

Associate Professor, Molecular and Cellular Biology

Dean's Education and Innovation Award

Brenda Frye

Associate Astronomer, Astronomy/Steward Observatory Dean's Education and Innovation Award

David Sand

Associate Professor & Associate Astronomer Dean's Education and Innovation Award

Departmental Awards

Samyutka Krishnamurthy

Lecturer, Physics Undergraduate Teaching Award, Physics Department

Tai Kong

Assistant Professor, Physics Graduate Teaching Award, Physics Department

Cvnthia Anhalt

Associate Research Scientist, Mathematics William Y Vélez Outstanding Faculty Advisor Award, Math Department

National and International Honors and Awards

Jessica Barnes

Assistant Professor, Planetary Sciences/ Lunar and Planetary Laboratory *Nier Prize, Meteoritical Society*

Martha R.C. Bhattacharya

Associate Professor, Neuroscience NSF CAREER Award, National Science Foundation

Judith Bronstein

Professor, Ecology and Evolutionary Biology Award for Distinguished Achievement

Award for Distinguished Achievement in the Conceptual Unification of the Biological Sciences, American Society of Naturalists

Jennifer Casteix

Clinical Professor, Speech, Language, and Hearing Sciences Honors of the Arizona Speech-Language-Hearing Association

Michael "Misha" Chertkov

Professor, Mathematics AAAS Fellow (2022), American Association for the Advancement of Science

Marta Civil

Professor, Mathematics Fellow of the American Education Research Association (AERA)

Carmala Garzione

Dean, College of Science & Professor, Geosciences AAAS Fellow (2022), American Association for the Advancement of Science

Joe Giacalone

Professor, Planetary Sciences/Lunar and Planetary Laboratory AGU Fellow, American Geophysical Union

Bo Guo

Assistant Professor, Hydrology and Atmospheric Sciences NSF Career Award (2022), National Science Foundation

Hoshin Vijai Gupta

Regents' Professor, Hydrology and Atmospheric Sciences Top Downloaded Paper, Journal of Hydrologic Enginering International Excellence Research Fellowship, Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany Hydrology Days Borland Lecture in Hydrology Award, Colorado State University and AGU Editors Award for a Seminal Paper, ASCE Journal of Hydrologic Engineering

Christopher Hamilton

Associate Professor, Planetary Sciences/ Lunar and Planetary Laboratory Fellow, Scialog: Signatures of Life in the Universe, Heising-Simons Foundation and Research Corporation for Science Advancement

Amanda Hughes

Assistant Professor of Practice, Geosciences Case Study Award, American Rock Mechanics Association

Chris Impey

Distinguished Professor, Astronomy/ Steward Observatory Fulbright Specialist Program (2022), U.S. State Department

Kristopher Klein

Associate Professor, Planetary Sciences/ Lunar and Planetary Laboratory Landau-Spitzer Award for Outstanding Contributions to Plasma Physics (2022), American Physical Society

Dante Lauretta

Regents' Professor, Planetary Sciences/ Lunar and Planetary Laboratory Eugene Shoemaker Lecture, American Geophysical Union

Michael Marty

Associate Professor, Chemistry and Biochemistry

Pittcon Achievement Award. Pittcon

Jeanne Pemberton

Professor, Chemistry and Biochemistry Francis P. Garvan-John M. Olin Medal, American Chemical Society

Patricia Persaud

Associate Professor, Geosciences Radcliffe Institute for Advanced Study Fellow, Harvard University

Mary Peterson

Professor, Psychology Davida Teller Award, Vision Sciences Society

Sukrit Ranjan

Assistant Professor, Planetary Sciences/ Lunar and Planetary Laboratory Fellow, Scialog: Signatures of Life in the Universe, Heising-Simons Foundation and Research Corporation for Science Advancement

Michelle Raymond

Assistant Clinical Professor, Speech, Language, and Hearing Sciences McLean-Yoder Award for Professional Excellence (2022), National Joint Committee for the Communication Needs of Persons With Severe Disabilities

George Rieke

Regents' Professor, Astronomy and Planetary Sciences Distinguished Public Service Medal, NASA

Marcia Rieke

Regents' Professor, Astronomy/Steward Observatory Distinguished Public Service Medal, NASA

Tyler Robinson

Associate Professor, Planetary Sciences/ Lunar and Planetary Laboratory Fellow, Scialog: Signatures of Life in the Universe, Heising-Simons Foundation and Research Corporation for Science Advancement

Arvinder Sandhu

Professor, Physics American Physics Society Fellow (2022), American Physics Society

Kim Wood

Associate Professor, Hydrology and Atmospheric Sciences NSF Career Award, National Science Foundation

Dennis Zaritsky

Deputy Director/Astronomer, Astronomy/ Steward Observatory AAAS Fellow (2022 & 2023), American Association for the Advancement of Science

Xubin Zeng

Professor, Hydrology and Atmospheric Sciences

Group Achievement Award (2022), NASA Distinguished Ogura Lecturer, Dept of Atmospheric Sciences, University of Illinois at Urbana-Champaign Third Place Snowcast Showdown Prize-Western U.S. (with others) (2022), U.S. Bureau of Reclamation

New College of Science Faculty

Pedro Aceves Sanchez

Assistant Professor, Mathematics PhD, University of Vienna

Reyan Ahmed

Assistant Professor of Practice, Computer Science PhD, University of Arizona

Armando Albornoz Basto

Instructor, Mathematics PhD, University of Arizona

Genesis Arizmendi

Assistant Professor, Speech, Language, and Hearing Sciences PhD, University of Arizona

Emily Banks

Instructor, Mathematics PhD, University of Arizona

Soumaya Belmecheri

Associate Professor, Laboratory of Tree-Ring Research PhD, University of Paris XI, Orsay France

Andrew Bennett

Assistant Professor, Hydrology and Atmospheric Sciences PhD, University of Washington

Jessica Bowersock

Lecturer, Neuroscience PhD, East Carolina University

Veronica Bray Durfey

Associate Research Professor, Planetary Sciences/ Lunar and Planetary Laboratory PhD from Imperial College London

Holly Cardinal

Assistant Clinical Professor, Speech, Language, and Hearing Sciences
MS, Northern Arizona University

Chi-Kwan Chan

Associate Astronomer, Steward Observatory PhD, University of Arizona

Zachary Cohen

Assistant Professor, Psychology PhD, University of Pennsylvania

Justin Conover

Lecturer, Ecology and Evolutionary Biology PhD, Iowa State University

Kathryne Daniel

Associate Professor, Astronomy/Steward Observatory PhD, Johns Hopkins University

Thomas Doehrman

Instructor, Mathematics PhD, University of Arizona

Cesim Erten

Associate Professor of Practice, Computer Science PhD, University of Arizona

Magdalena Escobedo

Assistant Clinical Professor, Speech, Language, and Hearing Sciences MA, University of Arizona

Melissa Flores

Assistant Professor, Psychology PhD, University of Arizona

Roberto Giacobazzi

Associate Professor, Computer Science PhD, University of Pisa (Italy)

Corin Gray

Assistant Professor of Practice, Molecular and Cellular Biology PhD, Kansas State University

Florian Hafner

Assistant Professor of Practice, Speech, Language, and Hearing Sciences
PhD, University of Arizona

Serin Hong

Assistant Professor, Mathematics PhD, California Institute of Technology

Ashley Huggins

Assistant Professor, Psychology PhD, University of Wisconsin-Milwaukee

Patrick Ingraham

Associate Research Professor, Steward Observatory PhD, Université de Montréal (Canada)

Greg Johnson

Instructor, Mathematics PhD, University of Arizona

Shuo Kong

Assistant Professor, Astronomy/Steward Observatory PhD, University of Florida

Mary Lawler

Instructor, Mathematics BA, University of Colorado

Jaehui Lim

Professor of Practice, Mathematics PhD, Florida State University

Derek Lowenberg

Instructor, Mathematics
PhD, University of California, Riverside

Nell Maltman

Assistant Professor, Speech, Language, and Hearing Sciences PhD, Northwestern University

Amanda Martinez

Assistant Clinical Professor, Speech, Language, and Hearing Sciences
MA, New Mexico State University

Angela Marusiak

Assistant Research Professor, Planetary Sciences/ Lunar and Planetary Laboratory PhD, University of Maryland

Sabrina McNew

Assistant Professor, Ecology and Evolutionary Biology PhD, University of Utah

Pranabendu Moitra

Assistant Professor, Geosciences PhD, Rice University

Patricia Persaud

Associate Professor, Geosciences PhD, California Institute of Technology

Lauren Petrullo

Assistant Professor, Ecology and Evolutionary Biology PhD, Stony Brook University

Ajith Rajapaksha

Global Professor, Physics PhD, Purdue University

Sukainah Rawashdeh

Instructor, Mathematics MA, Texas Women's University

Michelle Raymond

Assistant Clinical Professor, Speech, Language, and Hearing Sciences MA, Hampton University

Ellen Riloff

Professor, Computer Science
PhD, University of Massachusetts at Amherst

Qurat UI An Sabir

Global Professor, Mathematics PhD, National College of Business Administration & Economics, Lahore, Pakistan, and Dalhousie University, Nova Scotia, Canada

Julliana Sacoman

Assistant Professor of Practice, Chemistry and Biochemistry PhD, Michigan State University

Henry Scharf

Assistant Professor, Mathematics PhD, Colorado State University

Patrick Shipman

Professor, Mathematics PhD, University of Arizona

Patrick Smith

Assistant Professor of Practice, Psychology PhD, University of Nevada Reno

Feige Wang

Assistant Research Professor, Steward Observatory PhD, Peking University

Kim Wood

Associate Professor, Hydrology and Atmospheric Sciences PhD, University of Arizona

Jonny Wu

Associate Professor, Geosciences PhD, Royal Holloway University of London

Jinyi Yang

Assistant Research Professor, Steward Observatory PhD, Peking University

Xinchen Yu

Assistant Professor of Practice, Computer Science PhD, University of North Texas

College of Science Promotions

Tara Archuleta

Promoted to Assistant Professor of Practice, Chemistry and Biochemistry

Brenae Bailey

Promoted to Senior Lecturer, Mathematics

Chad Bender

Awarded Continuing Status, Associate Astronomer, Steward Observatory

Martha R.C. Bhattacharya

Promoted to Associate Professor with Tenure. Neuroscience

Kate Bunton

Promoted to Professor, Speech, Language, and Hearing Sciences

Alex Burant

Promoted to Assistant Professor of Practice, Physics

Bryden Cais

Promoted to Professor, Mathematics

Jennifer Casteix

Promoted to Clinical Professor, Speech, Language, and Hearing Sciences

Chi-Kwan Chan

Promoted to Associate Astronomer, Steward Observatory

Marina Cholanian

Promoted to Assistant Professor of Practice, Neuroscience

Benjamin Dicken

Promoted to Senior Lecturer, Computer Science

Renee Duckworth

Promoted to Professor, Ecology and Evolutionary Biology

Regis Ferriere

Promoted to Professor, Ecology and Evolutionary Biology

Jose Fonseca

Promoted to Lecturer, Mathematics

Steve Foster

Promoted to Senior Lecturer, Mathematics

Thomas Gianetti

Promoted to Associate Professor with Tenure, Chemistry and Biochemistry

Ryan Gutenkunst

Promoted to Professor, Molecular and Cellular Biology

Erika Hamden

Promoted to Associate Professor with Tenure and Associate Astronomer, Astronomy/ Steward Observatory

Erica Hansen

Promoted to Associate Clinical Professor, Speech, Language, and Hearing Sciences

Lani Hidalgo

Promoted to Associate Professor of Practice, Chemistry and Biochemistry

Lise-Marie Imbert-Gerard

Awarded Tenure, Associate Professor, Mathematics

Samantha Kao

Promoted to Lecturer, Mathematics

Kristopher Klein

Promoted to Associate Professor with Tenure, Planetary Sciences/Lunar and Planetary Laboratory

Tommi Koskinen

Promoted to Associate Professor with Tenure, Planetary Sciences/Lunar and Planetary Laboratory

Tynan Lazarus

Promoted to Lecturer, Mathematics

Kevin I in

Promoted to Professor, Mathematics

Isamu Matsuyama

Promoted to Professor, Planetary Sciences/ Lunar and Planetary Laboratory

John Milsom

Promoted to Professor of Practice, Physics

Mohammed Hassan

Promoted to Associate Professor with Tenure, Physics

Vasileios Paschalidis

Promoted to Associate Professor with Tenure and Associate Astronomer, Astronomy/ Steward Observatory

Eric Pearce

Awarded Continuing Status, Associate Astronomer, Steward Observatory

Suchithranga Perera

Promoted to Assistant Professor of Practice, Chemistry and Biochemistry

Stephen Reyes

Promoted to Lecturer, Mathematics

Ulises Ricoy

Awarded Continuing Status, Associate Research Scientist. Neuroscience

Inamar Riedel-Kruse

Awarded Tenure, Associate Professor, Molecular and Cellular Biology

John Schaibley

Promoted to Associate Professor with Tenure, Physics

Yancy Shirley

Promoted to Professor, Astronomy

Daniel Stark

Promoted to Professor, Astronomy

Diane Thompson

Promoted to Associate Professor with Tenure, Geosciences

Laura Van Dorn

Promoted to Associate Professor of Practice, Chemistry and Biochemistry

Aileen Wong

Promoted to Associate Clinical Professor, Speech, Language, and Hearing Sciences

Jinyi Yang

Promoted to Assistant Research Professor, Steward Observatory

Andrew Youdin

Promoted to Astronomer, Steward Observatory

Retiring College of Science Faculty

Nadja Anderson

Assistant Professor of Practice, Molecular and Cellular Biology

Pelagie Beeson

Professor, Speech, Language, and Hearing Sciences

Nicholas Ercolani

Professor, Mathematics

Indraneel Ghosh

Professor, Chemistry and Biochemistry

Caitlin Griffith

Professor Emerita, Planetary Sciences/ Lunar and Planetary Laboratory

Stephen Kukolich

Professor, Chemistry and Biochemistry

Frank Musiek

Adjunct Professor, Speech, Language, and Hearing Sciences

Lynn Nadel

Regents Professor Emeritus, Psychology

Alan Nighorn

University Distinguished Professor, Neuroscience

Linda Norrix

Associate Clinical Professor, Speech, Language, and Hearing Sciences

Ramzi Touchan

Research Professor Emeritus, Laboratory of Tree-Ring Research

College of Science

Carmala Garzione

Dean

Daniel Apai

Interim Associate Dean, Research

Rebecca Gomez

Associate Dean, Undergraduate Student Success

Jeremiah Hackett

Associate Dean, Graduate and Postdoctural Affairs

Brad Story

Associate Dean, Faculty Affairs

DEPARTMENT HEADS & DIRECTORS

Michael "Misha" Chertkov

Applied Mathematics

Philip Pearthree

Arizona Geological Survey

Buell Jannuzi

Astronomy/Steward Observatory

Craig Aspinwall

Chemistry and Biochemistry

Christian Collberg

Computer Science, Interim

Michael Worobey

Ecology and Evolutionary Biology

Joellen Russell

Geosciences

Christopher Castro

Hydrology and Atmospheric Sciences,

David Frank

Laboratory of Tree-Ring Research

Douglas Ulmer

Mathematics

Ryan Gutenkunst

Molecular and Cellular Biology, Interim

Konrad Zinsmaier

Neuroscience

Shufang Su

Physics

Mark Marley

Planetary Sciences/Lunar and Planetary Laboratory

Lee Ryan

Psychology

Mary Alt

Speech, Language, and Hearing Sciences

SCHOOLS

Mark Barton

Lowell Institute for Mineral Resources

Douglas Ulmer

School of Mathematical Sciences

Konrad Zinsmaier

School of Mind, Brain and Behavior

Misael Cabrera

School of Mining and Mineral Resources

PROGRAMS

Robert C. Wilson

Cognitive Science



