Hello Graduate UPBMers

One final spam before you add my e-mail address to your junk folder filter.

On behalf of Dr. Benyajati, Ms. Jenn and myself it has been a pleasure to work with you and we will miss not seeing you here next year.

Congratulations, good luck, may your lives be filled with numerous triumphs, and I look forward to hearing about your future accomplishments (only good stuff please) on the news CNN.

Enjoy!

Marianne Arcoraci
UR Commencement 2014

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Michael Cheung
Marilse Combe
Nicole DiBenedetti
Kyle Doyle
Jacob Griggs
Cebrail Guler-Carrasquillo
Kathryn Haapala
Selin Haci
Bridget Hannon
Amy Ige
Rebecca Kuruvilla
Elise LaCarrubba
Jackson Lam
Maura Levis
Albert Lim
Henry Macias
Billal Masood
Roshal Patel
Nuhamin Gebrewold Petros
Val Pyon
Alfred Rabinovich
Soo Min Rhee
Angela Rojas
Sarah Rush
Adam Russak
Steven Russell
Siddhi Shah
Sanghee Shin
Wontack Shin
Evan Tandy
Ecaterina Toutok
Shyam Venkateswaran
Tyler Viterise
Chantelle White
Brian Wuu
Victoria Yellamaty
Natalie Yragui
Janice Zhao
Victoria Zhou

Bachelor of Science Biochemistry (BS BBC)
Pamela Barnett
Zachary Brumberger
Allen Chen
Iris Chen
Daniel Cho
John Etter
Zhaoxiang Fan
Joshua Geiger
Nicholas Giangreco
David Grossman
William Horn
Tanya Khan
Chong Li
Jonathan Lotempio
Charles Lu
Alex Lukez
Henry Macias
Billal Masood
Roshal Patel
Nuhamin Gebrewold Petros
Val Pyon
Alfred Rabinovich
Soo Min Rhee
Angela Rojas
Sarah Rush
Adam Russak
Steven Russell
Siddhi Shah

Gregory O’Connor
Louis Papa III
Pooja Patel
Priya Patel
Amelia Poulin
John Power
Brianna Spencer
Petr Stastka
Mark Torosian
Katherine Vanhise
Morganne Wagner
Yuji Wakimoto
Catherine Weiner
Jessica Yao

Degree with Distinction in Research
Phi Beta Kappa
### Bachelor of Science Cell and Developmental Biology (BS BCD)

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### Bachelor of Science Ecology and Evolutionary Biology (BS BEB)

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<td>Eleanor Arrington</td>
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### Bachelor of Science Microbiology (BS BMB)

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### Bachelor of Science Molecular Genetics (BS BMG)

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### Bachelor of Science Neuroscience (BS BNS)

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Distinction in Research
Twenty-One Seniors Defend Thesis

The Undergraduate Program in Biology and Medicine (UPBM) provides majors in the B.S. or B.A. tracks the opportunity to graduate with distinction in research. Students must achieve a minimum GPA of 2.7 and defend their written thesis at a meeting of their advisory committee.

Most students seeking a degree with distinction have worked on a research project for a year or more and have achieved significant results. They then immerse themselves in the time-consuming process of writing the thesis.

Those who successfully complete their research and then push on to write the required paper are rewarded with the phrase “Distinction in Research” added to their transcripts.

Woori Bae BMB
Faculty Mentor: Dr. Sanjay Maggirwar
Microbiology & Immunology

Robert Bortz BMB
Dissertation: “Examining the Possible Long Term Anti-Viral Immune Effects of Atrazine: Viral Dissemination to the Liver and Asymptomatic Infection”
Faculty Mentor: Dr. Paige Lawrence
Microbiology & Immunology

Jeffrey Bulger BMB
Dissertation: “Identifying Structure Activity Relationship Trends among RnpA Inhibitors and Optimizing a Novel Screening Method to Identify Anti-Biofilm Agents”
Faculty Mentor: Dr. Paul Dunman
Microbiology & Immunology

Phillip Cohen BMB
Dissertation: “Immunological Consequences of Nanoparticle-Based Vaccination Against Human Immunodeficiency Virus - Type 1”
Faculty Mentor: Dr. Stephen Dewhurst
Microbiology & Immunology

Joshua Geiger BBC/CHM
Dissertation: “The Role of Drosophila Small Maf Protein in Antioxidant Response and Aging”
Faculty Mentor: Dr. Dirk Bohmann
Biomedical Genetics

Benjamin Goulet BEB
Dissertation: “The Genetics of Speciation Between Drosophila mauritiana and its Sibling Species”
Faculty Mentor: Dr. Daven Presgraves
Biology

Brittany Hopkins BNS
Dissertation: “Characterizing Microglia in Transgenic Mouse Lines”
Faculty Mentor: Dr. Ania Majewska
Neurobiology & Anatomy

Alisa Johnson BEB
Dissertation: “An Investigation of the Role of Abnormal Laminin-332 Expression in ARPKD”
Faculty Mentor: Dr. Soundararapandian Vijayakumar
Pharmacology & Physiology

Sarah Joseph BMG
Dissertation: “Elucidating the Mitochondrial Function and Targeting Sequence for the Yeast Flap Endonuclease (RAD27)”
Faculty Mentor: Dr. Elaine Sia
Biology

continued...
Kevin Koenders BMB  
**Dissertation:** “Towards the Development of More Potent Inhibitors of Cdc42”  
**Faculty Mentor:** Dr. Alison Frontier  
Chemistry

William Li BNS  
**Dissertation:** “Elucidating the Mechanisms of Novel Protective Agents in Lysosomal Storage Disorders”  
**Faculty Mentor:** Dr. Mark Noble  
Biomedical Genetics

Jonathan Lotempio BBC  
**Dissertation:** “Wild-Type MutSβ and its Binding Tendencies Under Varied Conditions in vitro”  
**Faculty Mentor:** Dr. Robert Bambara  
Microbiology & Immunology

Abhiniti Mittal BMB  
**Dissertation:** “Investigating the Role of ARMS Expression and Function in Multiple Myeloma Cells”  
**Faculty Mentor:** Dr. Michelle Kiebala  
Microbiology & Immunology

Nirlipta Panda BNS  
**Dissertation:** “Radiation, Inflammation, and Proliferation: The Neurological Effects of Somatic Radiation”  
**Faculty Mentor:** Dr. Kerry (Michael) O’Banion  
Neurobiology & Anatomy

Daniel Petkovich BMG, CHM  
**Dissertation:** “Convergence Analysis of Glioma Cells”  
**Faculty Mentor:** Dr. Mark Noble  
Biomedical Genetics

Halima Rafi BNS  
**Dissertation:** “Perceptual Neurophysiology in Aging and Alzheimer's Disease: It’s Better to be Young”  
**Faculty Mentor:** Dr. Charles Duffy  
Neurology Memory Care

Yanhan Ren BMG  
**Dissertation:** “Matrix Metalloproteinases as Novel Biomarkers and their Potential Therapeutic and Diagnostic Applications in Diabetic Ulcer Healing”  
**Faculty Mentor:** Dr. Xin Bi  
Biology

Brianna Spencer BBC  
**Dissertation:** “NHEJ Repair in Young Versus Old Mice: Expression Levels of Rosa26 Promoter and I-scel and Cutting Efficiency of I-scel”  
**Faculty Mentor:** Dr. Vera Gorbunova  
Biology

Petr Stastka BBC  
**Dissertation:** “Breast Cancer Cells, Adrenergic Receptor Signaling, and Norepinephrine-Induced Alterations in Fibrillar Collagen Type I”  
**Faculty Mentor:** Dr. Edward Brown  
Biomedical Engineering

Catherine Weiner BBC  
**Dissertation:** “2’-0-Methylation of the Anticodon Loop of tRNAPhe Catalyzed by Trm7 and its Protein Partners”  
**Faculty Mentor:** Dr. Eric Phizicky  
Biochemistry & Biophysics

Isabel Wylie BMB  
**Dissertation:** “Construction and Characterization of Novel Forms of IL-12”  
**Faculty Mentor:** Dr. John Frelinger  
Microbiology & Immunology
Anum Abid BIO
Faculty Mentor: Dr. Minsoo Kim
Microbiology & Immunology

Giscard Adeclat BNS (2)
Faculty Mentor: Dr. Bradford Mahon
Brain & Cognitive Sciences

Zachariah Adham BNS (3)
Faculty Mentor: Dr. Lisa Opanashuk
Environmental Medicine

Leyla Akhverdiyeva BMG / RUS (2)
Faculty Mentor: Dr. Andrei Seluanov
Biology

Alex Haber BMG (2)
Faculty Mentor: Dr. Margot Mayer-Pröschel
Biomedical Genetics

Kevin Allan BNS (4)
Faculty Mentors: Dr. Harris Gelbard/Dr. Baek Kim
Neurology/Microbiology & Immunology

Pantelis Antoniou BMG
Faculty Mentor: Dr. Sina Ghaemmaghami
Biology

Woori Bae BMB
Faculty Mentor: Dr. Stephen Dewhurst
Microbiology & Immunology

Pamela Barnett BBC
Faculty Mentor: Dr. Paul Dunman
Microbiology & Immunology

Rebecca Binder BIO (2)
Faculty Mentor: Dr. Luiz Meirelles
Dentistry

Robert Bortz BMB (2)
Faculty Mentor: Dr. Jacques Robert
Microbiology & Immunology

Zachary Brumberger BBC/CHM (2)
Faculty Mentors: Dr. Fred Hagen / Dr. Luis Martinez-Sobrido
Biochemistry & Biophysics / Microbiology & Immunology

Jeffrey Bulger BMB (2)
Faculty Mentor: Dr. Paul Dunman
Microbiology & Immunology

Natasha Chainani BMB
Faculty Mentor: Dr. Luis Martinez-Sobrido
Microbiology & Immunology

Smon Cheewapansri BBC
Faculty Mentor: Dr. John Werren
Biology

Iris Xuening Chen BBC (3)
Faculty Mentors: Dr. Vera Gorbunova (2)
Dr. Andrei Selunov (1)
Biology

Michael Cheung BIO (2)
Faculty Mentor: Dr. Harold Smith
Biochemistry & Biophysics

Daniel Cho BBC / ECO (2)
Faculty Mentor: Dr. David Mathews
Biochemistry & Biophysics

Eric Chung BNS (2)
Faculty Mentor: Dr. Robert Chapman
Brain & Cognitive Sciences

Phillip Cohen BMB (2)
Faculty Mentor: Dr. Stephen Dewhurst / Dr. Harris Gelbard
Microbiology & Immunology / Neurology

Pushing the Bounds of Knowledge
Over Half of 2014 UPBMer’s Took Independent Research Courses

continued...
Michael Danta BMG (2)
Faculty Mentor: Dr. Margot Mayer-Pröschel
Biomedical Genetics

Danielle Davis BNS
Faculty Mentor: Dr. Steven Goldman / Dr. Romane Auvergne
Translational Neuromedicine

John Etter BBC, APM
Faculty Mentor: Dr. Benjamin Miller
Dermatology

Hillary Figler BMB/PSY (2)
Faculty Mentors: Dr. Paul Dunman / Dr. Judith Smetana
Microbiology & Immunology / Clinical & Social Sci.

Bianca Flores BNS
Faculty Mentor: Dr. Abdellatif Benraiss
Neurology

Erin Fry BMG
Faculty Mentor: Dr. Jacques Robert
Microbiology & Immunology

Brigitta Gehl BMG (2)
Faculty Mentor: Dr. Lei Xu
Biomedical Genetics

Joshua Geiger BBC / CHM (2)
Faculty Mentor: Dr. Dirk Bohmann
Biomedical Genetics

Nicholas Giangreco BBC (2)
Faculty Mentors: Dr. Sina Ghaemmaghami / Dr. Gail W.V. Johnson
Biology / Pharmacology & Physiology

Melissa Glasner BMG (2)
Faculty Mentors: Dr. Jennifer Jonason / Dr. Regis O’Keefe
Center for Musculoskeletal Research / Orthopedics

David Glasser BNS/PSY
Faculty Mentor: Dr. Martha Windrem
Neurology

Gregory Golembeski BNS
Faculty Mentor: Dr. Julia Fudge
Neurobiology & Anatomy

Benjamin Goulet BEB (2)
Faculty Mentor: Dr. Daven Presgraves
Biology

Anisha Gundewar BMB/HBS
Faculty Mentor: Dr. Mark Dumont
Biochemistry & Biophysics

Alex Haber BMG (2)
Faculty Mentor: Dr. Margot Mayer-Pröschel
Biomedical Genetics

Stephanie Hayes BNS/ENG
Faculty Mentor: Dr. James Palis
Pediatric Biomedical Research

Emi Hitomi BNS
Faculty Mentor: Dr. Maiken Nedergaard
Neurosurgery / Translational Neuromedicine

Brittany Hopkins BNS (3)
Faculty Mentor: Dr. Ania Majewska
Neurobiology & Anatomy

Alisa Johnson BEB (2)
Faculty Mentor: Dr. Soundarapandian Vijayakumar
Pediatrics

Sarah Joseph BMG (2)
Faculty Mentor: Dr. Elaine Sia
Biology

Tanya Khan BBC (2)
Faculty Mentor: Dr. Andrei Seluanov
Biology

Beom Soo Kim BMB (2)
Faculty Mentor: Dr. Bogdan Polecova
Biochemistry & Biophysics

Justin Kim BMB (2)
Faculty Mentor: Dr. Martin Pavelka
Microbiology & Immunology

Soyeon Kim BMB (2)
Faculty Mentor: Dr. Michelle Dziejman
Microbiology & Immunology

Yo-el Kim BMB (2)
Faculty Mentor: Dr. Steven Bernstein
Hematology/Oncology

Rachel Kitt BMG
Faculty Mentor: Dr. Andrew Samuelson
Biomedical Genetics

Kevin Koenders BMB (4)
Faculty Mentor: Dr. Alison Frontier
Chemistry

Deborah Korzun BEB
Faculty Mentor: Dr. John Jaenike
Biology

Pruthvi Kothari BCD (3)
Faculty Mentor: Dr. David Dean
Pediatrics

Mallory Laboulaye BNS (2)
Faculty Mentors: Dr Michael Welte / Dr. Edward Brown
Biology / Biomedical Engineering

Kristiana Lachiusa BNS (2)
Faculty Mentor: Dr. Ania Majewska
Neurobiology & Anatomy

Anisha Lashkari BNS (2)
Faculty Mentor: Dr. Shawn Newlands
Otorhinology

Steven Lee BCD (2)
Faculty Mentor: Dr. Edward Brown
Biomedical Engineering

Chong Li BBC (2)
Faculty Mentor: Dr. Xin Bi
Biology

William Li BNS (3)
Faculty Mentor: Dr. Mark Noble
Biomedical Genetics

Albert Lim BIO
Faculty Mentor: Dr. Keigi Fujiwara
Aab Cardiovascular Research Institute

Fang Liu BMB
Faculty Mentor: Dr. Minsoo Kim
Microbiology & Immunology

continued...
Jonathan LoTempio BBC (3)
Faculty Mentor: Dr. Robert Bambara
Microbiology & Immunology

Nicholas Love BCD (2)
Faculty Mentor: Dr. Daven Presgraves
Biology

Charles Lu BBC (2)
Faculty Mentor: Dr. Mark Noble
Biomedical Genetics

Alex Lukez BBC (2)
Faculty Mentor: Dr. David Mathews
Biochemistry & Biophysics

Daniel Macguigan BEB
Faculty Mentor: Dr. Richard Glor
Biology

Morgan Maisel BEB
Faculty Mentor: Dr. Julee Thakar
Microbiology & Immunology

Billal Masood BIO
Faculty Mentor: Dr. Patricia Sime
Department of Medicine

Yasmin Mattar BMG
Faculty Mentor: Dr. Robert Quivey
Microbiology & Immunology

Lakshmi Miller-Vedam BMG (2)
Faculty Mentor: Dr. Sina Ghaemmaghami
Biology

Abhinuti Mittal BMB (2)
Faculty Mentor: Dr. Sanjay Maggirwar
Microbiology & Immunology

Yan Nuzbrokh BNS (2)
Faculty Mentor: Dr. Gail V.W. Johnson
Anesthesiology

Gregory O’Connor BBC/PSY (2)
Faculty Mentor: Dr. Eric Phizicky
Biochemistry & Biophysics

Marko Oydanich BNS (2)
Faculty Mentor: Dr. Robert Chapman
Brain & Cognitive Sciences

Ria Pal BNS (2)
Faculty Mentor: Dr. Julie Fudge
Neurobiology & Anatomy

Nirlipta Panda BNS (2)
Faculty Mentor: Dr. Kerry (Michael) O’Banion
Neurobiology & Anatomy

Joo-Eun Park BMB (4)
Faculty Mentor: Dr. Lisa Beck / Dr. Paige Lawrence
Dermatology / Microbiology & Immunology

Pooja Patel BBC (2)
Faculty Mentor: Dr. Eric Phizicky
Biochemistry & Biophysics

Pooja Patel BMG (2)
Faculty Mentor: Dr. Andrea Sant
Microbiology & Immunology

Priya Patel BBC
Faculty Mentor: Dr. Philip Fay
Biochemistry & Biophysics

Roshal Patel BIO / HLP
Faculty Mentor: Dr. Patricia White
Neurobiology and Anatomy
Sally Patel BNS/PSY
Faculty Mentor: Dr. Margot Mayer-Proschel Biomedical Genetics

Jessamyn Perlmutter BMB (2)
Faculty Mentor: Dr. Paul Dunman
Microbiology & Immunology

Daniel Petkovich BMG/CHM (2)
Faculty Mentors: Dr. Mark Noble / Dr. Harold Smith Biomedical Genetics / Biochemistry & Biophysics

Nuhamin Gebrewold Petros BIO/PSY (2)
Faculty Mentor: Dr. Gloria Culver
Biology

Prishanya Pillai BMB (2)
Faculty Mentors: Dr. Maiken Nedergaard / Dr. Edward Vates
Neurosurgery / Traslational Neuromedicine

Priyanka Pillai BMB (2)
Faculty Mentors: Dr. Maiken Nedergaard / Dr. Edward Vates
Neurosurgery / Traslational Neuromedicine

Val Pyon BCD (2)
Faculty Mentors: Dr. Karen Mustian / Dr. Nancy Wang
Surgery / Pathology

Halima Rafi BNS (2)
Faculty Mentor: Dr. Charles Duffy
Neurology

Yanhan Ren BMG (3)
Faculty Mentors: Dr. Xin Bi (2) / Dr. Lin Gan (1)
Biology / Ophthalmology

Deanna Roggie BCD (2)
Faculty Mentor: Dr. Michael Welte
Biology

Justin Roncaioli BMG (3)
Faculty Mentor: Dr. Daven Presgraves
Biology

Aaron Rusheen BCD (3)
Faculty Mentor: Dr. Patricia White
Neurobiology & Anatomy

Brandon Salzman BNS (2)
Faculty Mentor: Dr. Michelle Burack
Neurology

Patrick Schupp BMB
Faculty Mentor: Dr. Luis Martinez-Sobrido
Microbiology & Immunology

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<table>
<thead>
<tr>
<th>Name</th>
<th>Program</th>
<th>Mentors</th>
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<tr>
<td>Siddhi Shah BIO (2)</td>
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<td>Faculty Mentor: Dr. Lei Xu Biomedical Genetics</td>
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<td>Vaidehi Shah BMB</td>
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<td>Faculty Mentor: Dr. Terry Wright Microbiology &amp; Immunology</td>
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<td>Taneisha Sinclair BMG (2)</td>
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<td>Faculty Mentor: Dr. Eric Phizicky Biochemistry &amp; Biophysics</td>
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<td>Sarah Skinner CHM</td>
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<td>Joseph Soucy BMG (3)</td>
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<td>Faculty Mentor: Dr. Elaine Sia Biology</td>
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<td>Brianna Spencer BBC (2)</td>
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<td>Faculty Mentor: Dr. Vera Gorbunova Biochemistry</td>
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<td>Petr Stastka BBC (2)</td>
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<td>Faculty Mentor: Dr. Edward Brown Biomedical Engineering</td>
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<tr>
<td>Janine Steffan BMG (3)</td>
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<td>Faculty Mentor: Dr. Andrei Seluanov (2) Dr. Vera Gorbunova (1) Biology</td>
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<td>Mark Torosian BBC (2)</td>
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<td>Faculty Mentor: Dr. Archibald Perkins Pathology</td>
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<tr>
<td>Timothy Tsai BEB (2)</td>
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<td>Faculty Mentor: Dr. Justin Ramsey / Dr. John Jaenike Biology</td>
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<tr>
<td>Katherine Vanhise BBC</td>
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<td>Faculty Mentor: Dr. Alan Friedman Environmental Medicine</td>
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<td>William Vezinaw BMG (2)</td>
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<td>Faculty Mentor: Dr. Benoit Biteau Biomedical Genetics</td>
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<td>Morganne Wagner BBC</td>
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<td>Faculty Mentor: Dr. Ethan Cohen Endocrinology-Metabolism</td>
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<td>Yuji Wakimoto BBC (2)</td>
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<td>Faculty Mentor: Dr. David McCamant Chemistry</td>
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<td>Catherine Weiner BBC (2)</td>
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<td>Akira Neng Chun Wong BMG</td>
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<td>Faculty Mentor: Dr. Benoit Biteau Biomedical Genetics</td>
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<tr>
<td>Beverly Wong BNS</td>
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<td>Faculty Mentor: Dr. Martha Windrem Neurology / Translational Neuromedicine</td>
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<td>Meng-Ju Wu BMB</td>
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<td>Faculty Mentor: Dr. Stephen Dewhurst Microbiology &amp; Immunology</td>
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<td>Isabel Wylie BMB (2)</td>
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<td>Faculty Mentor: Dr. John Frelinger Microbiology &amp; Immunology</td>
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<td>Qianlangyue Xu BCD (2)</td>
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<td>Jessica Yao BBC (2)</td>
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<td>Janice Zhao BMG</td>
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<td>Faculty Mentor: Dr. Brian Poligone Dermatology</td>
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<td>Nicole Zwald BNS (2)</td>
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<td>Faculty Mentor: Dr. Ania Majewska Neurobiology &amp; Anatomy</td>
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deKiewiet Fellows
Summer 2013

The Undergraduate Program in Biology and Medicine (UPBM) has been awarding deKiewiet Summer Research Fellowships since 1983 to UR students majoring in UPBM tracks. The fellowship is designed to give University of Rochester students an opportunity to obtain substantial research experience in the laboratories of Program Faculty. Students in their junior year are invited to submit competitive applications.

This year’s graduates who were selected for the deKiewiet Fellowship in Summer 2013 are:

**Zachariah Adham ’14, BNS**
**Title:** “Characterizing the Interaction of the Aryl Hydrocarbon Receptor and Notch Signaling Pathways in Medulloblastoma”
**Mentor:** Dr. Lisa Opanashuk - Environmental Medicine

**Phillip Cohen ’14, BMB**
**Title:** “Measuring the Effect of Nanoparticle Geometry on Tfh Cell Development”
**Mentor:** Dr. Steve Dewhurst - Microbiology & Immunology

**Chelsea Hans ’14, BCD**
**Research Title:** “Dpp as the Organizer Signal of Dorsal Development in Ilyanassa obsoleta”
**Mentor:** Dr. David Lambert - Biology

**Sarah Joseph ’14, BMG**
**Research Title:** “Elucidating the Mitochondrial Targeting Sequence for Yeast RAD27”
**Mentor:** Dr. Elaine Sia - Biology

**Gregory O’Connor ’14, BBC / PSY**
**Research Title:** “Characterizing the Interactions of Trm7 and Other Factors Involved in a Crucial tRNA Modification Pathway in Yeast.”
**Mentor:** Dr. Eric Phizicky - Biophysics & Biochemistry

**Patrick Schupp ’14, BMB**
**Research Title:** “Finding Arenavirus NP and Host Factor Interaction Using the Yeast Two Hybrid System and Nickel Column Affinity Chromatography”
**Mentor:** Dr. Luis Martinez-Sobrido - Microbiology & Immunology

**Brianna Spencer ’14, BBC**
**Research Title:** “In Vivo Assessment of NHEJ Repair in Young Versus Old Mice.”
**Mentor:** Dr. Vera Gorbunova - Biology

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**Biotechnology Certificates Received by Twelve 2014’s**

The Certificate Program in Biotechnology is designed to give students the background needed for entry into biotechnology and for advanced study, and it gives recognition for specialization in the field. The graduates who have met the requirements for the Biotechnology Certificate for 2014 are:

**Woori Bae BMB**
**Amanda Chang BIO/HBS**
**Chelsea Hans BCD**
**Soyeon Kim BMB**
**Valerie Pietroluongo BMB**
**Prishanya Pillai BMB**
**Priyanka Pillai BMG**
**Vaidehi Shah BMB**
**Akira Wong BMG**
**Meng-Ju Wu BMB**
**Qianlangyue Xu BCD**
**Natalie Yragui BIO/HBS**
Awards Accomplishments ...

UPBmers Recognized

Ayman Amin-Salem Memorial Award
The Ayman Amin-Salim Memorial is a college-wide award which is to be presented each year at Commencement to that member of the senior class who best evidences the quality of good character and good citizenship, such as decency, reliability, responsibility, and congeniality. Preference may be given to students who also have an interest in biology or the biological sciences, music, art, writing, or athletics.
★ Phillip Cohen ’14/15, BMB
★ Roshal Patel ’14 BIO/HLP
★ Yuji Wakimoto ’14, BBC/ANT

Amgen Scholarship
The Amgen Scholars Program is designed to provide undergraduates with hands-on biological science research experiences in world-class labs at leading institutions around the country while also preparing them for graduate study and science research careers.
★ Benjamin Goulet ’14, BEB

Benjamin A. Gilman International Scholarship
The scholarship, which provides financial assistance to students who are enrolled in study abroad programs worldwide, is sponsored by the U.S. Department of State, Bureau of Educational and Cultural Affairs, and the Institute of International Education. “Rochester students have studied in 26 different countries through the scholarship,” said Jacqueline Levine, director of Rochester’s Center for Study Abroad and Interdepartmental Programs.
★ Nancy Bui ’14, BNS/PSY - Denmark (Fall 2013)
★ Anjali Patel ’15, BMG - England (Fall 2013)

Catherine Block Memorial Fund Prize
Annual prize awarded by the University to a woman in the junior class in recognition of her outstanding ability and achievement in the field of science. Selection is based on recommendations by the respective departments, which are evaluated by a committee appointed by the Dean of the College.
★ Chitavi Maulloo ’15, BMG/CHM

Davis Projects for Peace Fellowship
The Projects for Peace program was launched by author, philanthropist, and scholar Kathryn Wasserman Davis in 2007 to commemorate her 100th birthday. Since its founding, Projects for Peace has funded more than 700 projects in over 100 countries. Davis passed away on April 23, 2013, at the age of 106.
★ Fatima Bawany ’15, BIO
★ John Dawson ’13/14, BMG
★ Katherine Wegman ’15, BIO/ANT

Dr. Nathaniel & Helen Wisch Endowed Scholarship
The Dr. Nathaniel and Helen Wisch Endowed Undergraduate Scholarship provides income that supports a promising junior or senior undergraduate student or students majoring in Biology at the University of Rochester. This year’s recipients are:
★ Iris Chen ’14, BBC
★ Ruijia Zhu ’15, BBC/CHM

Fulbright U.S. Student Program
The Fulbright Scholarship competition is sponsored by the U.S. Department of State designed to promote mutual understanding and peace between the United States and other nations through educational and cultural exchange. It offers opportunities for career-launching study, teaching, and research abroad. Scholars pursuing study or research design their own programs and arrange institutional affiliations in the host countries.
★ Anisha Gundewar ’14, BMB/HBS - India
★ Shyam Venkateswaran ’14, BIO - India

German Academic Exchange Service Research Internships in Science & Engineering
RISE is a summer internship program for undergraduate students from the United States, Canada and the UK in the fields of biology, chemistry, physics, earth sciences and engineering. It offers unique opportunities for undergraduate students to work with research groups at universities and top research institutions across Germany for a period of 2 to 3 months during the summer.
★ Kristin Abram ’15, BMG
★ Kevin Allan ’14, BNS
★ Corey Gryn ’15, BCD/PHL
★ Alexandra Born ’15, BMG/CHM
★ Austin Mottola ’15, BBC
★ Louis Papa ’14, BBC/CHM
★ Robert Rietmeijer ’15, BBC
★ Jamie Strampe ’15, BMG

continued...
Grace McCormack Fund for Biology Prize
This award is given annually to worthy students, who, in the judgment of the Department, have great potential and have demonstrated excellence in academics, teaching, service to the department, or scientific research.

★ Benjamin Goulet ’14, BEB
★ Chelsea Hans ’14, BCD
★ Sarah Joseph ’14, BMG
★ Deborah Korzun ’14, BEB
★ Maura Levis ’14, BIO
★ Daniel MacGuigan ’14, BEB
★ Deanne Roggie ’14, BCD
★ Joseph Soucy ’14, BMG
★ William Vezinaw ’14, BMG
★ Hannah Ward ’14, BEB

Irene Bush Steinbock Award
The award was established by Irene Bush Steinbock “in memory of the late Dean Annette Gardner Munro, whose kindness and graciousness was a great inspiration to me during my years of study at the University of Rochester.” This award is given to a senior in Arts and Sciences who has made the most noteworthy contribution to human relations.

★ Meng-Ju Wu ’14, BMB

John R. Slater Memorial Prize
To a member of the senior class who has shown the most competence in the use of the English language, as exemplified by excellence in composition, public speaking, in work on University publications, in participation in student government, or otherwise.

★ Shilpa Topuduri ’14, BMG

Joseph O’Connor Graduate Study Endowment Prize
To a woman in the senior class who has shown marked ability in English literature, in classical languages and literature, or in archaeology.

★ Hannah Ward ’14, BEB, RLS

Kauffman Entrepreneurial Year (KEY) Program
The University of Rochester defines entrepreneurship as “transforming an idea into an enterprise that generates value,” implying that the enterprise outlives the creator and that it positively affects others. Qualified students may propose to devote as much as an entire academic year to internships, special projects, relevant coursework, business plan development, research into various facets of entrepreneurship, or analysis of how culture and public policy influence entrepreneurial activity.

★ Leyla Akhtverdiyeva ’13/14 BMG/RUS
★ Alisa Johnson ’14/15, BEB
★ Halima Rafi ’14/15, BNS
★ Brandon Salzman ’14/15, BNS
★ Stefanie Thorssness ’13/14, BMG
★ Sharma Venkatesh Abhishek ’14/15, BNS/MUS/PSY
★ Benjamin Wainblat ’14/15, BCD/PSY
★ Akira Neng Chun Wong ’14/15 BMG

Outstanding Cancer Research Presentation Winner
The poster themes for this year’s symposium included: Molecular and Cell Biology/Immunology, Experimental Hematology/Hematological Cancer, Solid Tumor Biology and Therapy, Cancer Control/Epidemiology. There were 54 posters presented, with prizes of $100 each awarded to the best poster in each category.

★ Val Pyon ’14, BIO

Student Employee of the Year Award
This award recognizes an outstanding student employee who has made valuable contributions to the department in which he or she works.

★ Emi Hitomi ’14, BNS

Student Life / Individual Leadership Awards
The annual University Student Life Awards recognize those undergraduate students who—through service to others, investment of talent and time, and pursuit of excellence—have significantly and positively impacted the University of Rochester and/or surrounding community.

★ Katherine Wegman ’15, BIO - Freshman Leadership
★ Madison Wagner ’14, BEB - Simeon Cheatham
★ Shilpa Topuduri ’14, BMG - Rob Rouzer Award for Excellence in Student Government Leadership

Susan B. Anthony Scholarship
Sponsored by the Women’s Club of the University of Rochester, this scholarship is awarded to two undergraduate women who are of junior status and who have demonstrated outstanding leadership and commitment in co-curricular activities and academic achievement.

★ Shilpa Topuduri ’14, BMG
**Take Five Scholars Program**
A unique program to the University of Rochester, provides an additional semester or year, tuition-free. It offers the chance to pursue a demanding major and still enjoy the once-in-a-lifetime opportunity for the broad-based, intellectual enrichment of a liberal arts education. Since its inception in 1986, over 1,100 students have become Take Five Scholars. The number of students enrolled in the program varies each year, with new Scholars accepted each semester.

- Zachariah Adham ’14/15, BNS
- Nancy Bui ’14/15, BNS, PSY
- Smom Cheewapansri ’14/15, BBC
- Phillip Cohen ’14/15, BMB
- Kyle Doyle ’14/15, BIO, LIN
- Gregory Golembeski ’14/15, BNS
- Amy Ige ’14/15, BIO, HBS
- Theodore Lincoln ’14/15, BNS
- Ma. Lira Camille Manhit ’14/15, BNS
- Yan Nuzbrokh ’14/15, BNS
- Sally Patel ’14/15, BNS, PSY
- Greta Smith ’14/15, BNS
- Kelvin Tam ’14/15, BCD
- Tyler Viterise ’14/15, BIO
- Kwanza Warren ’14/15, BNS, PHL

**UR Undergraduate Writing Colloquium Contest**
The College Writing Program holds an annual undergraduate writing contest to recognize and celebrate outstanding student writing and to share that writing with the University of Rochester community. Each spring the College Writing Program accepts submissions from students in four categories: Humanities, Social sciences, Natural and applied sciences. Prizes are awarded for the best paper in each of the four categories. The Award for the Natural Sciences category went to:

- Zachary Adham ’14, BNS
  The Next Generation of Anti-Itch Treatment: Progress in the Elucidation of an Itch-Specific Sensory Pathway
  Written for Writing a Bio Review (BIO 275W), Professor Cheeptip Benyajati

**UPBM Founder Dr. Robert Marquis Tribute to a Visionary**

Robert E. Marquis, Ph.D., past chair of the Department of Microbiology & Immunology at the University of Rochester School of Medicine and Dentistry and a beloved teacher to many students who trained at the medical school and at the university's College of Arts and Sciences, died in January at the age of 80.

The Undergraduate Program in Biology and Medicine (UPBM) founded by Dr. Robert Marquis in the early 1980’s serves as a gateway for undergraduates studying at The College to gain research opportunities at the University of Rochester Medical Center. Since then the program has been accredited and is now one of the most popular undergraduate programs on campus.

The Biology Department together with Departments of Biochemistry, Microbiology & Immunology, and Neuroscience produce the framework of The UPBM.

The Program provides academic year opportunities to do independent research for credit as well as DeKiewiet Summer Fellowships, which support summer research by outstanding University of Rochester undergraduate students.

Approximately five hundred sophomores, juniors, and seniors belong to UPBM majors and one hundred biological science independent research courses are registered each semester.

The UPBM was made possible by Dr. Marquis's enthusiasm for cooperative teaching aimed at providing the most up-to-date education in biomedical sciences. His vision has inspired the lives of many and will be greatly missed.

For more information on Dr. Marquis and his accomplishments visit: [http://www.urmc.rochester.edu/news/story/index.cfm?id=4014](http://www.urmc.rochester.edu/news/story/index.cfm?id=4014)
National Conference of Undergraduate Research
UPBMers Show Up and Show Out

NCUR is an annual conference (the only one if its kind, with a national scope) for primary research and artistic performance by undergraduate students, encompassing the natural and social sciences, the humanities, the arts, and engineering. Since its beginnings the conference has enjoyed the active support of major American colleges and universities. The UR Office of Undergraduate Research began sending students to NCUR in 1991. Student investigators may present their work at NCUR as an oral presentation or in a poster format. NCUR participants are also eligible to submit texts of their presentations to be considered for publication in the annual NCUR Proceedings, a juried publication.

April 2013 - La Crosse Wisconsin
Shay Behrens '14, BIO
Alisa Johnson '14, BIO
Ugochi Ndubuisi '14, BMB
Louis Papa '14 BBC/CHM
Siddhi Shah '14, BIO
Shilpa Topudurti '14, BMG
Harris Weber '15, BCD

April 2014 - Lexington, Kentucky
Zachary Adham '14/15, BNS
Max Cheng '15, BBC/MUS
Joshua Cho '16, BMG
Chelsea Choi '15, BIO/PSY
Hillary Figler '14, BMB/PSY
Brigitta Gehl '14, BMG
Johua Geiger '14 BBC
Benjamin Goulet '14, BEB
Anisha Gundewar '14, HBS/BMB
Paige Haas '16, BMB
Brittany Hopkins '14, BNS
Sarah Joseph '14, BMG
Abhiniti Mittal '14, BMB
Nirupama Panda '14, BNS
Jessamyne Prillmutter '14, BMB/CHM
Yanhan Ren '14, BMG
Patrick Schupp '14, BBC/BSB
Siddhi Shah '14, BIO
John Wilson '15, BMG

UR Undergraduate Research Exposition
UPBMers Show Up and Show Out...Again

The Undergraduate Research Exposition is a College-wide event in which UR students at all levels and in all areas of study are invited to present their investigative and creative work. The Expo reflects the passion for learning that enlivens the University, professors and students alike, and that finds expression in varied forms, in every area of study.

2013 UPBM Participants
★ Kevin Allan '14, BNS
★ Shay Behrens '14, BIO
★ Boris Borovcanin '14, BIO
★ Hamza Chengazi '14, BNS
★ Alisa Johnson BIO '14, BEB
★ Annah Moore '15, BNS/CHM
★ Junne Park '15, BCD/HLP
★ Prishanya Pillai '14 BMB
★ Priyanka Pillai '14 BMB
★ Alfred Rabinovich '14, BIO
★ Yanhan Ren '14, BMG
★ Siddhi Shah '14, BIO
★ Harris Weber '15, BCD

2014 UPBM Participants
★ Naba Ali '15, BBC
★ Natasha Chainani '14, BBC
★ Max Cheng '15, BBC/MUS
★ Brigitta Gehl '14, BMG
★ Benjamin Goulet '14, BEB
★ Paige Haas '16, BMG
★ Brittany Hopkins '14, BMB
★ Chong Li '14, BBC
★ Yanhan Ren '14, BMG/PSY
★ Patrick Schupp '14, BNS
★ Raven Shah '15, BNS
★ Michael Shteyn '14, BNS
★ John Wilson '15, BMG
★ Janice Zhao '14, BIO

President's Award for Natural Sciences & Mathematics
Benjamin Goulet '14, BEB

Professor's Choice Award for Social Sciences
John Wilson '15: BMG/PSY
Keep in Touch
Send us your news

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Phone: (585) 275-8040

**Administrative Assistant:** Marianne Arcoraci  
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Phone: (585) 275-3850

UPBM Website: [http://www.rochester.edu/College/BIO/UPBM/upbmhome](http://www.rochester.edu/College/BIO/UPBM/upbmhome)
Class of 2014
Go Forth and Conquer