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About the Authors

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About the Authors

Kayla Ahlstrand '12

Kayla is a sophomore from Grayslake, Illinois, majoring in biology and minoring in neuroscience. She is a member of Habitat for Humanity, runs cross country, and was a Richter Scholar during the 2009 summer. Kayla plans to attend medical school to become a surgeon.

Alexandra Ayala '09

Alex is a graduate from Caracas, Venezuela who majored in biology. She completed her thesis in Dr. DebBurman's lab on endocytosis pathway as a route for α -synuclein degradation in Parkinson's disease. She served as peer teacher for FIYS106 Medical Mysteries and BIO21 Cell and Molecular Biology. She was an officer in Tri-Beta, Eukaryon and UAN-ASBMB. Currently, she is a K-12 science teacher for Teach for America in Houston, Texas.

Daryn Cass '10

Daryn is a biology and international relations major from St Charles Illinois. Daryn has spent the past few summers interning at Rosalind Franklin University of Medicine and Science, where she developed a strong interest in neuroscience. She is also an avid equestrian and enjoys scuba diving. Daryn served on Eukaryon's review board this past year and is currently working on her senior thesis. After graduation this spring she will pursue an MD/PhD degree.

Alexandra Charron '09

Alexandra is from Calgary, Canada and graduated with a major in biology. She played on the Varsity Handball Team for four years, and was named captain for the 2008-2009 season, during which the team won the National Championships. She was a peer teacher for the Developmental Biology class on campus. Alexandra was also a member of Athletic Council and UAN-ASBMB at Lake Forest. She is currently in her first year of medical school at the University of Maryland School of Medicine in Baltimore.

Ray Choi '09

Ray graduated last year with a biology major and a minor in chemistry. He is from Centennial, Colorado and is currently attending medical school at University of Colorado. Ray completed a senior thesis in Dr. DebBurman's lab. He was the founding co-President of UAN-ASBMB and served as peer teacher for animal physiology. His interests involve traveling.

Danielle Clark '09

Danielle is a graduate from Las Vegas, Nevada who majored in chemistry and minored in psychology and biology. As a senior, she was a vice president of SAACS and participated in the LFC chamber Orchestra. She was the founding co-President of UAN-ASBMB. Currently, Danielle is applying to medical schools and wants to pursue a career as a pediatric oncologist.

Shaun Davis '09

Shaun is a graduate from Shoreview, Minnesota who majored in biology and minored in chemistry. He completed his thesis in Dr. Kirk's lab on studying telomeres in *Aspergillus nidulans* fungus. He was Editor-in-Chief of Eukaryon his senior year. Currently, he is a first year PhD student in cell and molecular biology at Baylor College of Medicine.

Lauren Ferrell '10

Lauren is a biology major and sociology/anthropology minor from Leon, KS. This year, she has acted as Eukaryon's Copy-Editing Chair, the web page manager for $\beta\beta\beta$ Biology Honor Society, and Scholarship Chair for her sorority, Alpha Phi. Lauren intends to wait a year after graduation before applying to medical school. In the interim, she will be working in a hospital laboratory in Houston, TX.

Nicole Fields '09

Nicole is a 2009 graduate with a major in biology. She was an officer in Beta Beta Beta her senior year and worked and volunteered extensively in hospitals throughout college years. She plans to medical school in the future.

Michael Fiske '10

Mike is a senior from Northbrook, IL. He plans to attend graduate school after graduating with a biology major. He is active involved in Tri-Beta, UAN-ASBMB, and is a tutor in the Writing Center. He served as Editor-in-Chief of Eukaryon this year and peer teacher for cell and molecular biology and advanced cell biology. He has conducted research on Parkinson's disease in Dr. DebBurman's lab during all four years of college, and he is writing his senior thesis based on this work. His hobbies include music, concerts, golf, and running.

Jonathan Flaksman '11

Jonathan is a junior from Chicago, IL. He is majoring in biology and Spanish and minoring in chemistry. He is interested in dental school and has been shadowing a dentist for the last 2 years. Recently, he has gone to Nicaragua on a dental volunteering trip where he received a lot of hands-on experience.

Robert Hodges '10

Bobby is a senior majoring in biology. He did undergraduate summer research at Rosalind Franklin University as a junior.

Christopher Jackson '09

Chris is a 2009 graduate with a major in chemistry. He played handball while in college.

Alina Konnikova '11

Alina is a junior from Vernon Hills, Illinois, majoring in biology and minoring in chemistry. While serving as *Editor-in-Chief Elect*, Alina has interests in becoming a physician. She has spent her last summer shadowing a pediatric cardiologist and an adolescent pediatrician to further her knowledge about the medical field. Alina is a peer teacher for BIO130 Deadly Shapes, Hostage Brains. As well, Alina enjoys research and has been working in Dr. DebBurman's lab from the summer after her freshman year, studying Parkinson's disease.

Paulius Kuprys '12

Paulius is a sophomore from Riverside, Illinois, majoring in biology. He is a member of Tri-Beta National Biological Honor Society, Eukaryon and the Ultimate Frisbee team. He is also a lab assistant for CHEM116. This past summer he researched cell volume regulation of trout red blood cells in Dr. Light's lab. This upcoming summer he plans to go to Lithuania and shadow doctors there. He hopes to attend medical school after.

Stephanne Levin '09

Stephanne is a senior from Northbrook, IL majoring in biology and minoring in chemistry. She conducted research on animal behavior with professor Glassman during the summer of 2006, and, in addition to being part of Eukaryon, she was a member of both Tri-Beta & UAN-ASBMB. Stephanne has worked in a veterinary clinic for more than three years, and she currently applying for degrees in veterinary medicine.

Terese (Beth) Noe '10

Beth is a senior from Gurnee, Illinois majoring in biology and French with a minor in chemistry. She is currently the vice president of *Beta Beta Beta* National Biological Honor Society, Lambda Phi chapter, and she is the publication board chair of Eukaryon. After graduation she hopes to attend veterinary school.

Lisa Pahomov '11

Lisa is a junior with a major in biology and Spanish and a minor in chemistry. She enjoys traveling and wants to visit some countries in Latin America in order to volunteer and practice Spanish. She is involved in UAS-BMB, Tri-Beta, and Collage. She is currently review board chair of Eukaryon. She has been shadowing an oncologist since summer which really reaffirmed her desire to pursue medicine upon graduation.

Jaime Pérez Pineda '10

Jaime was born in Medellín, Colombia, but currently lives in Highland Park, IL. He is a studio art and biology double major. Jaime is president of Latinos Unidos and involved in other cultural organizations such as PRIDE and IAG (Intercultural Advisory Group). Last year he volunteered in the Orthotics/Prosthetics (O/P) department at the Rehabilitation Institute of Chicago, as he would like to pursue a graduate program in O/P to reach his career goal. Ultimately, he would like to help people in Latin America who don't have access to prosthetic care.

Ashleigh Porter '11

Ashleigh is a junior from Shelby Township, Michigan, majoring in biology and minoring in chemistry and religion. She is currently working in a biochemistry and molecular biology lab at Rosalind Franklin University of Medicine and Science and hopes to pursue a career in medicine after graduation.

Emily Pospiech '09

Emily is a graduate from Hawthorn Woods, Illinois who majored in chemistry and minored in biology. Her senior year she was the president of SAACS. She is currently applying to medical schools to become a pediatrician.

William Press '11

Will is a junior from Saint Louis, Missouri. He is majoring in biology and economics. He is interested in neurodegenerative disease research. He is currently a peer teacher for BIO221 cell and molecular biology. His hobbies include woodworking and scuba diving. His post graduation plans are undecided.

Sajidha Rizvydeen '12

Saajidha is a sophomore from Chicago, IL. She grew up in Sri Lanka but moved to Chicago seven years ago. She is a biology major and a neuroscience minor who is involved with campus organization such as Tri-Beta, SAACS, CircleK, and MSA. She is currently working in Dr. Karen Kirk's lab and enjoys conducting research on the subject of Telomeres. Some of her hobbies include playing tennis, volunteering, and scrap booking. After college, she is interested in going on to medical school or graduate school.

Elizabeth Ross '11

Elizabeth is a junior from Evanston, Illinois, double majoring in biology and elementary education with a middle school endorsement. She is an active member in various clubs on campus including Tri Beta and Bridging the Gap and also holds an officer position in her sorority, Tri Delta. She is currently in the process of completing her fieldwork at Washington Elementary School in Waukegan and is very excited to start student teaching in the fall. She plans to live her dream of being a science teacher upon graduation.

Melissa Schramm '09

Melissa is a 2009 graduate with a major in biology. She did her senior thesis in biology studying guppy behavior under the supervision of Dr. Anne Houde. She served as peer teacher in biology courses and she was a writing tutor in the Writing Center her senior year. She has been accepted to physician assistant programs for next year.

Madhavi Senagolage '12

Madhavi is a sophomore from Colombo, Sri Lanka. She is majoring in biology with a minor in chemistry. Last summer she worked in Professor Houde's lab, where she did research on guppy sexual selection. She is a member of SAACS, tri-beta and Eukaryon. In her pastime she enjoys reading books and practicing Yoga.

Natalie Simak '11

Natalie is a junior from Vernon Hills, Illinois, majoring in biology and psychology. While serving on Eukaryon's copy editing board, Natalie also serves as the seminar series coordinator for the college's biology honorary society: Beta Beta Beta. Furthermore, she has spent the past year interning in a cellular and molecular pharmacology laboratory at Rosalind Franklin University of Medicine and Science. She plans to pursue a career in medicine upon graduation.

Lavinia Sinitean '08

Lavinia is a 2008 graduate with majors in biology and Spanish. She studied abroad in Spain her junior year. She conducted undergraduate research at Northwestern University, Bolivia, and at Boston University, which led to her senior thesis in biology. She spent a year in Bolivia after graduation working a community coordinator.

Keith Solvang '11

Keith is a junior from Plainfield, IL majoring in biology and minoring chemistry. He is the treasurer of Tri-Beta biology honor society and is on the review board of Eukaryon. He is interested in medicine specifically cardiology and oncology, but he also does research in Dr. Shubhik DebBurman's lab studying Parkinson's disease using a yeast model. Keith recently did an internship at Highland Park Hospital in the cardiology unit and plan on pursuing a medical degree upon graduation.

Peter Sullivan '12

Pete is a sophomore from Lockport, IL, majoring in biology and minoring in chemistry. He spent the past summer in Dr. DebBurman's lab for the duration of his Richter Scholarship. He continued research in Dr. DebBurman's lab during the following semester. Peter plans on continuing his education in graduate school.

Lauren Thilgen '09

Laura is a graduate with majors in biology and history. She did summer undergraduate research with fruit flies at the University of Chicago. She is currently a direct sales representative with ThermoFisher company.

Christopher Tossing '09

Chris is a graduate with majors in biology and chemistry. He plans to attend medical school in the future.

Reema Upadhyaya '12

Reema is from Kathmandu, Nepal. She plans to major in biology with a concentration in Neuroscience. This paper was written as a part of a biology seminar class on Aging taught by Prof. Pliny Smith. After successfully completing a year at LFC, Reema transferred out to Mt. Holyoke College as a sophomore.

Emily Venheim '09

Emily is a first year graduate student at the University of Illinois at Urbana-Champaign pursuing a PhD in Biological Psychology in Dr. Joshua Gulley's lab. She graduated from Lake Forest College Magna Cum Laude in Spring 2009 with a major in Psychology and minor in German. She completed her senior thesis under the supervision of Dr. Matthew Kelley. She is currently working in a drug addiction laboratory, investigating the neural and behavioral mechanisms of cue-triggered relapse/drug-seeking behavior.

Eliot Vildaver '11

Eliot is a junior from Buffalo Grove, Illinois, majoring in biology and minoring in chemistry. Eliot is part of Eukaryon's copy editing board, Eliot has interests in the medical field and currently has an internship at Rosalind Franklin University Medical School. He is researching the causes behind muscular dystrophy using *C. elegans* under the direction of Dr. Hongkyun Kim. He plans to pursue a career in medicine after graduation.

Nengding (Julie) Wang '09

Julie is a graduate originally from Chongqing, China who majored in biology and minored in chemistry. She completed her thesis in Dr. Kirk's lab on studying telomeres in *Aspergillus nidulans* fungus. She was the president of Tri-Beta her senior year. Currently, she is a first year PhD student in Northwestern University.

Michael White '07

Michael is a graduate from Westmister, Colorado who majored in Biology and minored in chemistry. After the completion of his thesis in Dr. DebBurman's lab he became a lab manager for a year. He was the president of Tri-Beta and member of Eukaryon and was a peer teacher for BIO221 cell and molecular biology. Currently, he is a second year medical student in University of Buffalo.

Shabana Yusufishaq '12

Shabana is a sophomore from Des Plaines, IL. She is a biology and education major, and hope to pursue a career as a biology teacher one day. She has engaged in undergraduate research on muscular dystrophy at Rosalidn Franklin University.