

About the Authors

HUMANITIES



Asa Kerr

“The Sand Creek Massacre”

Faculty Mentor: Dr. Heath Spencer

Asa Kerr is a junior double-majoring in History and Germanic Studies. He is a recent transfer from Seattle University, where he participated in the University Honors Program. At his new home, Asa serves as an editor for *Primary Source*, the undergraduate journal of history at Indiana University. Asa hopes to research Early Modern and Modern German history in Germany after graduating from IU.

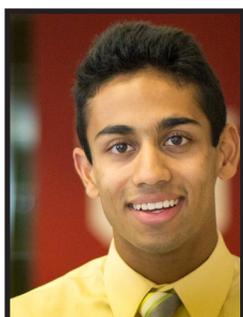


Natalie Schumann

“Nationalism in National Geographic Magazine, 1888-1923”

Faculty Mentor: Dr. Gerry Lanosga

Natalie Schumann is a senior studying Journalism with minors in Environmental Management and Communication and Culture. She conducts her research under Dr. Gerry Lanosga’s guidance in The Media School. She is a Philadelphia native with a newfound passion for the Midwest, former editor of *812: The Magazine of Southern Indiana*, and a serious cookie dough ice cream enthusiast.



Kushal Shah

“*Silent Spring* and *The New York Times*: How Rachel Carson Won the Journey”

Faculty Mentor: Dr. Christoph Irmischer

Kushal Shah is a freshman majoring in Mathematics and Biology. He conducted his research on *Silent Spring* under his faculty mentor Dr. Christoph Irmischer. He intends for a career in the field of data analytics or genetics, analyzing the implications and effects of “Big Data”.

NATURAL SCIENCES



Greg Welage

“Abiotic Changes Within a Reservoir After a Complete Drawdown: a Case Study of Lake Griffy”

Faculty Mentor: Dr. Melissa Clark

Greg Welage graduated from Indiana University in December 2014 majoring in Environmental Science with a focus in limnology from the School of Public and Environmental Affairs. He conducted his research with Professor Melissa Clark. He is from Greenfield, IN and will hold an internship in Utah with the National Aquatic Monitoring Center this summer.

NATURAL SCIENCES (cont.)

**S. Hussain Ather**

“RNA-Seq Analysis of lncRNAs and cisNATs in the Tomato Genome”

Faculty Mentor: Dr. Zhangjun Fei

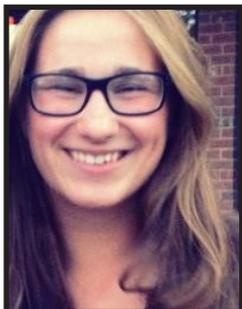
S. Hussain Ather is a sophomore majoring in Physics and Philosophy who uses computational techniques to study the biological functions of lncRNA in the tomato genome. He is working under Dr. Zhangjun Fei and postdoctoral fellow Yi Zheng at the Boyce Thompson Institute for Plant Research at Cornell University.

**Peyton Joachim**

“Evolution of Resistance in *Potamopyrgus antipodarum*”

Faculty Mentor: Dr. Curt Lively

Peyton Joachim is a sophomore majoring in Biology and minoring in German. He works in Curt Lively’s lab, where he has studied the evolution of resistance in a coevolving host-parasite relationship. In Peyton’s free time, he DJs for B-Side radio.

**Samantha Klosak**

“Parasite Selection and the Fitness of Sexual Reproduction”

Faculty Mentor: Dr. Curt Lively

Samantha Klosak is a sophomore double-majoring in Biology and Spanish. She has been working in the Lively lab under Dr. Curt Lively for one year, investigating the evolution of sex. In addition to working in the lab, she is involved with Alpha Phi Omega and the Hapkido Club.

**Reshma Patel**

“Host Flower Infection of *Silene latifolia* by *Microbotryum*”

Faculty Mentor: Dr. Lynda Delph

Reshma Patel is a senior majoring in Biology and minoring in French. She plans to pursue a career in medicine and is currently most interested in obstetrics and gynecology. Reshma serves as a Senior Advisor for the Indian Student Association and is the Community Educator at Union Street Center.

**Julie Xu**

“The Effect of Hosts Dispersal Ability on Fine-Scale Spatial Differentiation”

Faculty Mentor: Dr. Curt Lively

Julie Xu is a freshman majoring in Neuroscience and minoring in Biology, Psychology, and Sociology. She has been a member of the Lively Lab since the summer of 2014. In her free time, she enjoys taking photos, watching films, traveling, hiking, and exploring new restaurants.

PROFESSIONAL SCHOOLS



Katlyn Antior

“The Experience of Completing an Undergraduate Nursing Honors Research Project on the First Professional Nursing Position”

Faculty Mentor: Susan Hendricks, EdD, MSN, RN

Katlyn Antior is senior graduating with Honors from the Indiana University School of Nursing. After finishing her boards, she will work at Riley Hospital for Children. Her faculty mentor is Susan Hendricks, the Associate Dean for the IU School of Nursing at IUPUI.

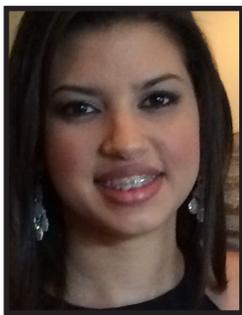


Antoinette Pugh

“The Experience of Completing an Undergraduate Nursing Honors Research Project on the First Professional Nursing Position”

Faculty Mentor: Susan Hendricks, EdD, MSN, RN

Antoinette Pugh is a senior majoring in Nursing. She will graduate from the IU School of Nursing in May with a Bachelor of Science in Nursing. She currently works at IU Health Methodist Hospital in the operating room. Antoinette conducted her research with mentor Sue Hendricks and fellow student Katlyn Antior.



Carolina Cardona

“Part Consolidation for Additive Manufacturing Demonstrated in the Design of a 3D-Printed Harmonic Drive”

Faculty Mentor: Dr. Andrés Tovar

Carolina Cardona is a freshman majoring in Mechanical Engineering with a minor in Mathematics in the Purdue School of Engineering and Technology at IUPUI in Indianapolis. Her research project was executed under the guidance of Assistant Professor Dr. Andrés Tovar.



Roshni Dhoot

“Weight-Related Lifestyle Behaviors and Attitudes in High School and College Students”

Faculty Mentor: Dr. Shahla Ray

Roshni Dhoot is a junior from Valparaiso, IN, majoring in Neuroscience. After graduation, she hopes to go to medical school and become an OB/GYN. She conducts her research under mentor Dr. Shahla Ray. She is currently an active volunteer with Middle Way House and will serve as Co-President of the Indian Student Association next year.



Vishnu Also

“Weight-Related Lifestyle Behaviors and Attitudes in High School and College Students”

Faculty Mentor: Dr. Shahla Ray

Vishnu Also is a senior from New Albany, IN, majoring in Exercise Science and minoring in Biology, Chemistry, and Psychology. Vishnu is an avid sports fan whose favorite teams include the Pittsburgh Steelers, Boston Celtics, and the Kentucky Wildcats. After graduation, Vishnu plans to work as a stockbroker and eventually attend medical school.

SOCIAL SCIENCES



Alexius Babb

“Stealing is stealing: A cross-cultural analysis on the perception of criminality for physical theft versus illegal downloading”

Faculty Mentor: Dr. Christina Downey

Alexius Babb is a senior majoring in Psychology whose research interests include privilege, the viability of teletherapy in urban settings, and preserving the cultural practices of indigenous populations. Her future plans include earning a Ph.D. in counseling psychology to provide mental health care for the growing veteran population. She also plans to start her own nonprofit organization focusing on community health through education, positive lifestyle changes, and sustainability.