Faculty Research Grants: 2015–2016

Erich Baumgartner (Leadership), The Changing Role of Church Planters in the Life Cycle of a New Church Plant

Skip Bell (Church Ministry), Christ in the City: Incarnational Ministries that Transform Lives and Grow the Church

Petr Cinca (World Mission), John Matthews (Discipleship & Religious Education), Kathleen Beagles (Discipleship & Religious Education), Peter Swanson (Christian Ministry) and René Drumm (Behavioral Sciences), Identifying Components of Effective Pastor Training: A 10-year Review of Student Input

Ivan Davis (English), Fred Newton Scott and Journalism Training at the University of Michigan

Kari Friestad (Visual Art, Communication & Design), Exhibition and Studio Work Plan (2015-2016)

Daniel Gonzalez-Socoloske (Biology), Characterization of manatee habitat and its use with side-scan sonar in Isla de La Juventud, Cuba

Thomas Goodwin (Biology), Distribution and paleobiology of hibernation in fossil ground-dwelling squirrels from the Meade Basin, SW Kansas, USA

James Hayward (Biology) and Shandelle Henson (Mathematics), Comparison of Surface Patterns on Cannibalized and Noncannibalized Gull Eggs

Lori Imasiku (Teaching, Learning & Curriculum), Voices from the multigrade classroom: Zambian community schools

Jimmy Kijai (Graduate Psychology & Counseling) and LeRoy Ruhupatty (Accounting, Economics & Finance), Student engagement and its relationship to development of values, religious commitment and community services at selected Adventist colleges/universities in the Southern Asia Pacific region

Hyun Kwon and Rodney Summerscales (Engineering & Computer Science), Paper biosensors and mobile apps for affordable detection of cancer biomarkers

Kanya Long (Biology), Complementary local and international research opportunities for undergraduates in the Arbovirus Ecology Laboratory

Peter Lyons (Biology), Structure and function of carboxypeptidase O

Robson Marinho (Leadership), Practical Application of Kolb’s Experiential Learning Cycle to Professional Development as Perceived by the Participants of Leadership Development Programs in Cross-Cultural Settings

Desmond Murray (Chemistry & Biochemistry) and Kanya Long (Biology), Hybrid Heterocyclic Boronic Acids as Potential Inhibitors against Alphaviruses

Benjamin Navia and John Stout (Biology), The effect of model calls with varying sound intensities and multiple frequencies in the phonotactic selectivity and its neural correlates in female crickets

Boon-Chai Ng (Engineering & Computer Science), Creating and Testing Anodized Aluminum for potential application as an interposer in the test socket industry

Joel Raveloharimisy and Arian Timoti (Behavioral Sciences), Understanding Poverty in Madagascar

Rhonda Root, Robin Johnson and Ariel Solis (Architecture), Cavan Burren Research Project, Republic of Ireland

Felipe Tan and Jim Ford (James White Library), Subject Analysis of the Books in Ellen G. White’s Private and Office Libraries

Shannon Trecartin (Social Work), Examining the Factor Structure of the Latent Construct “Physical Home Environment” using the National Health and Aging Trends Study

Randy Younker (Institute of Archaeology), A book on the Archaeology and History of Salemi, Sicily

Robert Zdor (Biology), Cloning & Sequencing of Weed Deleterious Rhizobacterial Genomic Sequences Associated with Production of the Plant Hormone Auxin

Faculty Research Grant Renewals: 2015–2016

Lisa Ahlberg (Chemistry & Biochemistry), Investigation of 1,3-Dipolar Cycloaddition Mechanisms: Synthesis of Thiolactomycin and Derivatives

Stanley Beikmann (Agriculture), Using What JFS Archaeology has Learned—for Education and Conservation of Plants, Water and Soil

Larry Burton (Teaching, Learning & Curriculum), Denominational Persistence and Denominational Exit Among Adventist University Alumni

Greg Constantine (Visual Art, Communication & Design), Creation and Exhibition of “Poetic Licenses”

Kenley Hall and Joseph Kidder (Christian Ministry), Pilot Case Studies of NAD Churches who are Attracting and Keeping Young Adults (18–30)

Ryan Hayes (Chemistry & Biochemistry), Structure Identification and Toxicity Assessment of an Arginine-based Heterocyclic Amine

Kenneth Logan (Music), Documentation of William Huber Jr. Collection at The Library of Congress and its Namesake; Musical Composition Fostering and Efficiency Project

David Mbungu (Biology), Modulation of Phonotaxis by Monoamines

Getahun Merga (Chemistry & Biochemistry), Synthesis and Characterization of Conjugated Gold and Silver Nanoparticles with Sulfur Containing Amino Acids

Nicholas Miller (Church History), The Religious Roots of the Civil War: Slavery, Judgment, and the Moral Government of God

Marlene Murray (Biology), The Effects of Omega-3 Fatty Acids on Intracellular myo-Inositol

David Nowack (Chemistry & Biochemistry), Preliminary investigation into the relationship between dendrimer structure and enzyme activity

David Randall (Chemistry & Biochemistry), Development and use of NO chemical sensor

Denise Smith (Biology), The Role of the Oncogene HER2/neu in breast cancer and potential therapeutic screening

Chi Yong Yun (Music), Johann Samuel Schroeter Piano Concertos

2015–2016 Undergraduate Research Scholars

Charles Abreu (Karl Bailey, Behavioral Sciences), Cluster analysis of eye movement patterns and degrees of belief

Will Allen (Boon-Chai Ng, Engineering & Computer Science), Creating and Testing Anodized Aluminum for potential application as an interposer in the test socket industry

Christiana Atkins (Harvey Burnett, Behavioral Sciences), Moral Reasoning and Judgments about Ending Life Revisited: The Influences of Education, Spirituality and Resilience

Kaydra Bailey (Desmond Murray, Chemistry & Biochemistry), Liquid Crystalline Rhodanines as Biological Stains

Christian Bardan (Peter Lyons, Biology), Analysis of mammalian carboxypeptidase O expression patterns

Alaryss Bosco (Monique Pittman, English), A Machiavellian Framing of Power Dynamics in Shakespeare’s Henry V as adapted by Olivier, Branagh, and the BBC’s Hollow Crown

Noah Chun (Getahun Merga, Chemistry & Biochemistry), Characterization of naked noble metal nanoparticles before and after binding them to specific organic molecules and biomolecules

Saharsh Dass (Shandelle Henson, Mathematics), Mathematical Models of Animal Behavior
Support Research and Creative Scholarship at Andrews University

Internal grants and Undergraduate Scholar Awards are supported by the Office of Research & Creative Scholarship. To meet the needs of the growing research initiatives around campus, we have instituted a Fund for Research which will be used to support faculty and student research activities above and beyond what is normally funded through the internal grant process, to cover travel expenses to national and international conferences, and to support the hosting of research conferences where our faculty and students can interact with other researchers from around the world.

You may support research at Andrews by choosing to designate a gift to the Office of Research & Creative Scholarship. Please visit www.andrews.edu/go/give/SCHOLAR or fill out the form to the right to support research at Andrews.

The Fund for Research

☐ My check is enclosed.
☐ Please charge my credit card.
☐ Visa ☐ MasterCard ☐ AmEx ☐ Discover

Card #: ___________________________ Security Code: ______________
Name on Card: ______________________ Exp. Date: __________
Signature: __________________________

Name: ______________________________________
Address: ___________________________________
City, State, Zip: ___________________________________

Please make checks payable to Andrews University