

# The Office of Research & Sponsored Programs



Research at The University of Scranton: **Fall 2018**

## RESEARCH RECHARGED

### Externally Submitted Grant Proposals

	17/18	16/17		17/18	16/17
<b>CAS</b>	<b>22</b>	<b>34</b>	<b>KSOM</b>	<b>1</b>	<b>1</b>
Asian Studies	2	2	Economics/Finance	1	1
Biology	4	4	<b>LIBRARY</b>	<b>0</b>	<b>0</b>
Chemistry	4	6	<b>PCPS</b>	<b>16</b>	<b>29</b>
Criminal Justice	4	0	Counseling & Human Services	1	0
Dean's Office	0	2	Dean's Office	5	2
English & Theater	0	2	Education	0	1
History	1	0	Exercise Science & Sport	0	4
Hope Horn Gallery	1	1	Leahy Clinic	5	11
Mathematics	1	1	Nursing	3	5
Philosophy	0	1	University of Success	2	6
Physics/EE	0	3	<b>STAFF</b>	<b>14</b>	<b>14</b>
Psychology	4	9			
Sociology/Criminal Justice	0	2			
Theology/Religious Studies	1	1			

The listing of externally submitted grant proposals represents all external proposals submitted through the Office of Research and Sponsored Programs (ORSP) for the Fiscal Years 2017-2018 and 2016-2017. Of the grants above, 27 and 33 grants originated from the Director of Corporate and Foundation Relations in 2017-2018 and 2016-2017, respectively. These grants flowed through the ORSP for compliance and budget review as required by University policy.

#### IRB/DRB

In preparation of impending IRB policy changes necessitated by the New Common Rule, we have restructured the procedures for IRB approval, particularly the forms we will use. This new policy does not, at this time, include changes that will be necessitated by the new Common Rule implementation. Such changes will take place in January 2019. The use of the **new forms** will bring the University in line with the categories of IRB review used by most academic institutions, and described in the federal regulations.

Look for more information in the coming weeks, including scheduled training sessions.

#### Research Seminar Series:

**09/07/18:** Dr. Sunil Ahuja, Associate Provost (BRN 509)

**09/28/18:** Dr. Jong-Hyun Son, Biology (LSC 233)

**10/19/18:** Prof. Michael Knies, Library (BRN 509)

**10/26/18:** Dr. Juan Serna, Physics (BRN 509)

**11/02/18:** Dr. Kathleen Dwyer, Biology (LSC 233)

**11/16/18:** Dr. Will Cohen, Theology (LSC 233)

**12/07/18:** Dr. Michael Fennie, Chemistry (TDC 405)

# Christopher A.F. Howey , Ph.D.

## RESEARCH SPOTLIGHT

**Dr. Christopher A.F. Howey**, Assistant Professor of Biology, focuses his research on reptile ecology and physiology. Specifically, Dr. Howey is interested in understanding how disturbances affect the environment, and how reptiles respond to these landscape changes from a behavioral and physiological perspective. For over ten years, Dr. Howey has investigated the effects of prescribed fire on deciduous forests, how these effects alter structural and thermal characteristics of the landscape, shift community composition of resident wildlife, alter predator-prey dynamics, and how reptiles respond to all of these changes. Dr. Howey has found that these landscape changes can alter reptile habitat use, movement rates, and even reproductive success. Changes to the thermal environment may impact the animal's ability to maintain a preferred body temperature, and thus, impact how well the animal is able to perform daily functions. Current research in Dr. Howey's lab is investigating the impact of prescribed fire on timber rattlesnake ecology, how different substrates affect the ability for rattlesnakes to scent-trail prey, and how forest management practices can improve habitat for timber rattlesnake reproductive success. Additionally, Dr. Howey is investigating linkages between glucocorticoid and testosterone steroid levels and timber rattlesnake behaviors. Future research in Dr. Howey's lab will also incorporate impacts of landscape disturbances on metabolic rates and energy expenditures of reptiles.

Since joining the University of Scranton in the Fall 2017, Dr. Howey has applied for two external grants and one internal grant. All three grants have sought to further Dr. Howey's research program and provide support to students within his lab that are interested in ecological and physiological concepts. Dr. Howey plans to continue encouraging his students to explore new ideas and design projects of their own. Prior to joining The University of Scranton, Dr. Howey secured funding through several grants, including one for over \$500,000, which supported several undergraduate student research projects. Since Fall 2017, Dr. Howey has presented his research at two international conferences which include the Society for Integrative and Comparative Biology Annual Meeting and the Joint Meeting of Ichthyologists and Herpetologists. Past students of Dr. Howey's from the Penn State University have also presented research at similar conferences, and Dr. Howey is continuing to encourage current students to do the same. Dr. Howey has published three research articles with past students, currently has three in review (or about to be in review), and is looking forward to the submission of new research articles with The University of Scranton students in the near future. Dr. Howey serves on the board for the Timber Rattlesnake Conservation Committee. He has performed numerous outreach events educating the public on timber rattlesnake conservation, and currently has a resident timber rattlesnake outside his office which he uses for outreach events.

## Research as a High Impact Practice (rHIP)

ORSP is pleased to announce again the availability of funding to promote high-quality faculty-mentored experiences in research and scholarship for our undergraduate students. Proposals are expected to support faculty-student research projects that focus on the creation of an undergraduate research/scholarship experience for the student resulting in student learning outcomes, such as inquiry and analysis, critical and creative thinking, and foundations and skills for lifelong learning.

**Proposals** for rHip funding are **due** to ORSP by **November 19, 2018**. A detailed request for proposal (RFP) is forthcoming.

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Contact us at 570-941-6353

Website: <http://matrix.scranton.edu/academics/provost/research/>

# Research Recharged