

Leveraging the Research & Innovation Office to Accelerate Faculty Success



Research & Innovation Office
UNIVERSITY OF COLORADO **BOULDER**

Fall 2021

Who is in the (Zoom) room?

- ✓ Name
- ✓ Department
- ✓ Previous Institutional affiliation
- ✓ Last thing you binged watched
and was it worth it?



RIO Sub-units



Office of Contracts & Grants (OCG)



Venture Partners



Office of Research Integrity (ORI) or Compliance



Office of Postdoctoral Affairs (OPA)



Office of Industry and Foundation Relations (IFR)



Innovation and Entrepreneurship



Office of Animal Resources (OAR)



Research Development Team



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Initiatives



Grand Challenge



AB Nexus

Research Institutes & Research Centers

- Alliance for Technology, Learning & Society (ATLAS)
- BioFrontiers Institute
- Cooperative Institute for Research in Environmental Sciences (CIRES)
- Institute for Behavioral Genetics (IBG)
- Institute of Arctic & Alpine Research (INSTAAR)
- Institute of Behavioral Science (IBS)
- Institute of Cognitive Science (ICS)
- JILA
- Laboratory for Atmospheric & Space Physics (LASP)
- Renewable and Sustainable Energy Institute (RASEI)
- University of Colorado Museum of Natural History
- Renée Crown Wellness Institute
- **75+ Research Centers**



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Research Development

RIO's **Research Development** team offers a variety of tools and resources to help faculty, students and staff identify opportunities for research, scholarly and creative activities.

 **Research Development Overview**



Funding



Faculty Development

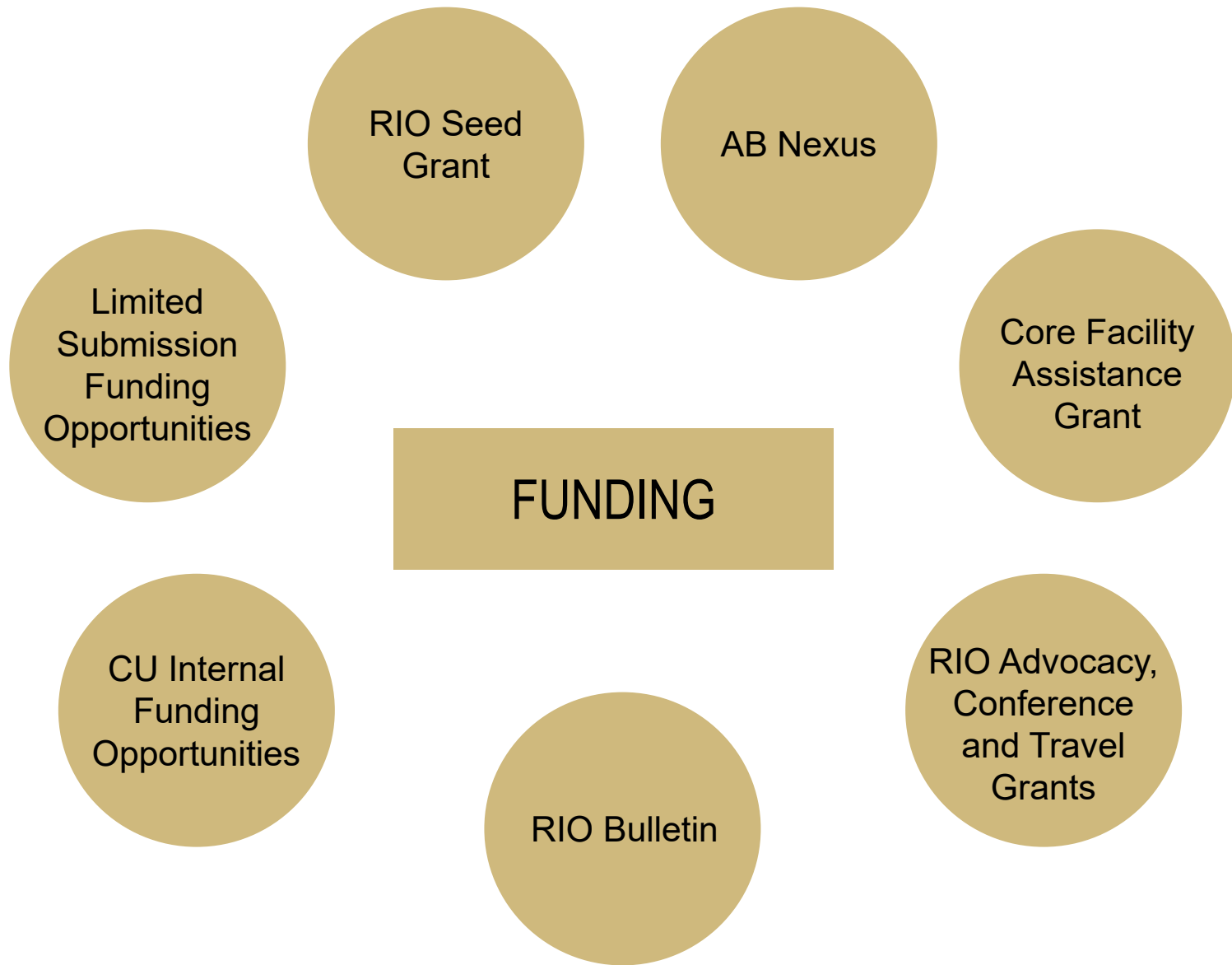


**Proposal
Development**



Other Resources





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RIO Bulletin

RIO Bulletin

The **Research & Innovation Office Bulletin**, emailed **every other Tuesday** to faculty and members of the CU Boulder research community, provides timely, actionable information about funding opportunities, award and fellowship opportunities, and events.



View the Latest Edition



Subscribe Now



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Research & Innovation Seed Grant

- \$50,000 each (approx. \$1 million available annually)
- Since 2006, more than \$12.5 million has been awarded to 302 faculty
- Purpose: stimulate new and exciting research, scholarship, and creative work
- Funding Priorities:
 - (a) interdisciplinary collaboration
 - (b) payoffs: future funding OR scholarly / artistic impact
- [Sign up](#) to review to position yourself for success

Categories/Review Panels

- Arts & Humanities
- Basic Physical Sciences
- Biomedical Sciences
- Engineering & Applied Sciences
- Grand Challenge
- Geological & Environmental Sciences
- Social Sciences & Professional Schools

Timeline

Competition Opens: October

Workshop: November 10
(RSVP required via RIO website)

Deadline: Mid-Late January

Panel Reviews: February – March

Grantees Announced: late March – early April

“The seed grant was instrumental in developing the preliminary data for a grant submitted to the NIH. This grant was recently funded.” –Loren Hough (Physics)

“Seed Grant support has transformed my research by allowing me to take on the risk of an entirely new direction. This work has only just begun to pay off in terms of invited talks, grants, and papers.”
–Corrie Detweiler (Molecular, Cellular and Developmental Biology)

AB Nexus

- **\$50K** (new partnership) and **\$125K** (existing partnership) grants to expand collaboration between the CU Anschutz and CU Boulder campuses
- **Identify areas of collaboration** in biosciences, biochemistry, engineering, arts and sciences, pharmacology and immunology, public health, mental health and other areas
- **Remove existing barriers** in administrative processes and promote connectivity
- **Drive innovation and research breakthroughs**, pursue competitive awards
- **Deadline: September 24**



Shared Instrumentation Network Funding

- CU Boulder Core Facility Assistance Grant Program (CFAG)

- ✓ Improve operations, safety, visibility and increase remote accessibility of cores.
- ✓ Acquire, repair and upgrade instrumentation.

Deadline: mid-March

- Core Facility Voucher Program

- ✓ Assists faculty in gathering new or additional data for grant applications (new and enhanced resubmissions)
- ✓ For addressing concerns from peer reviewers on a submitted manuscript for publication

Rolling Deadline



RIO Faculty Conference Awards

- *Partial* support for organizing in-person and virtual conferences that *promote and encourage the research, scholarship, and creative work* of CU Boulder faculty
- Rolling deadline, One-time or initial events (not established and/or annual events)
- Eligibility:
 - Faculty holding at least one-half time, tenured, or tenure track appointment.
 - Rostered instructors on continuing funds may apply.
- Basis of Awards:
 - Benefits of the conference to CU Boulder campus, faculty, and external research community
 - Research and creative record of participants
- Up to \$3,000; unit-level matching support expected
- Allowable Expenses:
 - Honorarium and/or travel and expenses for participants
 - Space and equipment rental
 - Publicity and/or reception expenses
 - Technical/special and student assistance
 - Organizational expenses
 - Costs associated with Virtual Conferences
- RIO encourages proposals for conferences that are **interdisciplinary** or promote new activities and new research connections between CU Boulder faculty and outside research and creative communities.



RIO Travel Grants

- Up to \$1500 to visit extramural sponsors
 - Government
 - Foundation
 - Industry
 - Not scholarly or scientific meetings
- Goal: Facilitate relationships between CU Boulder faculty and funders
- Eligibility:
 - Full time research faculty at CU Boulder (tenure-track professorial rank, research or clinical professorial rank)
 - Full time staff engaged as PIs on scholarly and scientific research (e.g., curators, librarians)
- No limit on number of trips supported
 - Priority given to those who have not received travel support in past 12 months.
- Applications accepted on rolling basis.



RIO Advocacy Grants

- Up to \$1000 for registration and travel for advocacy events such as National Humanities Advocacy, COSSA Social Science, Coalition of NSF, etc.
 - Airfare
 - Lodging (2 nights maximum)
 - Ground Transportation
- Goal: Facilitate relationships between CU Boulder faculty and legislators, policy experts and sponsors
- Eligibility:
 - Full time research faculty at CU Boulder (tenure-track professorial rank, research or clinical professorial rank)
 - Full time staff engaged as PIs on scholarly and scientific research (e.g., curators, librarians)
- No limit on number of trips supported
 - Priority given to those who have not received advocacy support in past 12 months.
- Applications accepted on rolling basis.



Limited Submission Funding Opportunities

- Required when a funder limits the number of applications that can be submitted by CU Boulder.
- Goal: Identify strongest project(s) with highest likelihood of securing funding.
- Procedures on RIO webpage
- Process:
 - Publicize active opportunity through RIO Bulletin ([subscribe here!](#)) & on [RIO webpage](#)
 - Internal application process (abbreviated version of sponsor application)
 - Review process (CU Boulder faculty, previous sponsor winners, etc.)
 - Notification to applicants (reviewer comments provided)
 - Requirements for internal winners (submit through OCG / Advancement; cost-share; alert RIO of outcome; provide sponsor feedback to RIO)



Limited Submission Funding Opportunities

- Upcoming Internal Deadlines:
 - 9/27 (LOI): NSF MRSEC (materials science)
 - 10/11: Moore Inventor Fellows
 - 10/18: Blavatnik National Awards for Young Scientists
 - 11/8: Keck Foundation
 - 11/8: NSF Innovations in Graduate Education
 - 11/15: Ralph E. Powe Junior Faculty Enhancement Awards
 - 12/6: Packard Fellowship for Science and Engineering
- RIO Assistance:
 - Nomination letters
 - Cost-share (see policy and guidance on RIO webpage)
 - Proofreading, editing proposals
 - Facilitate feedback from sponsors and/or previous campus winners



RIO Bulletin

Research
Blitzes

Research
Funding
Webinars

FACULTY DEVELOPMENT

1-on-1 Faculty
Funding
Consultations

PI Academy &
Faculty
Roadmap

RIO Faculty
Fellows



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- ✓ The opportunity to build a network of faculty leaders from across the campus
- ✓ Priority registration for RIO Workshops – 4 each semester
- ✓ Coaching to explore strategies to develop your individual research plan
- ✓ One-on-one assistance to identify targeted funding opportunities
- ✓ Roundtable discussions with campus leaders, including the Vice Chancellor for Research & Innovation; Associate Deans for Research; and Institute Directors – among others
- ✓ Certificate of Completion (signed by the Vice Chancellor for Research & Innovation and your College Dean; reportable on your Faculty Report of Professional Activities (FRPA))



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**SIGN UP
NOW!**

Research & Innovation Office Faculty Fellows

Mission & Vision

The RIO Faculty Fellows program is designed to:

- ✓ **Identify** early-to-mid career CU tenure-track professors that show strong potential in leadership;
- ✓ **Support** the capacity of faculty to lead large impact research, innovation and creative work collaborations;
- ✓ **Build** a cross-campus scholarly network that will extend across cohorts; and
- ✓ **Inspire** the CU academic community.



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Fall 2021 RIO Webinar Series


- Sept. 23rd [DOD 101 Science & Technology](#)
- Sept. 30th [NSF Mid-Career Advancement Writing Program Kickoff Workshop \(MCA\)](#)
- Oct. 4th [Finding Funding Using SPIN](#)
- Oct. 21st [Recycling Your Proposal Using Dimensions](#)
- Oct. 28th [How to Become a Fulbright U.S. Scholar](#)
- Nov. 3rd [How to Talk to a Program Officer](#)
- Nov. 10th [RIO Seed Grant Information Session](#)



1-on-1 Faculty Funding Consultations

Faculty Funding Consultations

The **Research Development** team can help faculty navigate [funding opportunity databases](#), including [SPIN](#), [Dimensions](#), and the [Foundation Directory Online](#). We provide individual faculty consultations to help identify relevant opportunities, and can also customize trainings for groups of researchers.

Please contact us directly to schedule a meeting specific to your interests, or simply complete [this questionnaire](#) and we will reach out to you. **Contact us:** 
rioconsult@colorado.edu

Oct 4th Webinar:

Learn more about funding databases available to CU Boulder faculty, and learn how to set up customized alerts using SPIN

Individualized Consultations are also available.

Questions? Email rioconsult@colorado.EDU




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Interactive/Hyperlinked Faculty Development Roadmap




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 RIO opportunities

 CU Boulder opportunities

 Early Career External Opportunities

 Miscellaneous, career-long opportunities

FACULTY DEVELOPMENT ROADMAP

YR 1

YR 2

YR 3

YR 4

YR 5

YR 6

YR 7

YR 8

YR 9

YR 10



RIO Bulletin

RIO Distinguished Research Lectureship

RIO Research Funding Workshops

RIO PI Academy

RIO Faculty Fellows Program

RIO Commercialization Academy



Get to know your **Department Chair** and your **Associate Dean for Research**!
Get to know your proposal analyst and how OCG can help with grants!

PRO TIP:

Before submitting your Seed Grant, *sign up* to become a reviewer to learn the ins and outs of the program!



RIO NSF CAREER Commit-to-Submit Writing Program

RIO Seed Grant

CU Boulder Leadership Education for Advancement and Promotion

CU Excellence in Leadership Program

RIO Faculty Conference Awards

RIO Travel Grants

Federal Early Career Funding Opportunities

Private Early Career Funding Opportunities

1:1 RIO Faculty Funding Consultations

Proposal Development Support

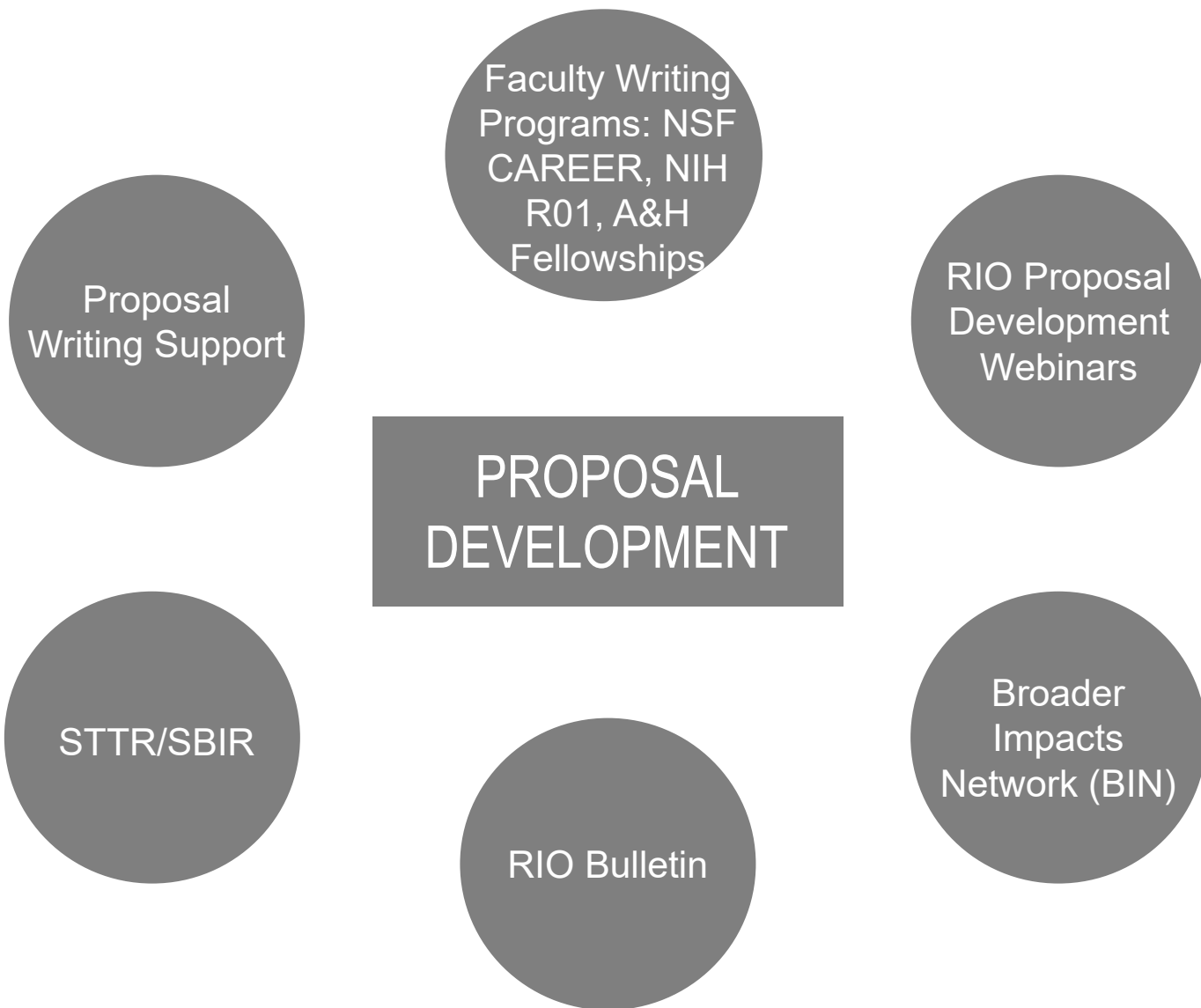
CU Boulder Internal Funding Opportunities

National Center for Faculty Development and Diversity

Research Blitzes and Teaming Events

- Designated research area of emphasis
- Research projects from across campus encouraged to present during blitz and teaming events
- Learn more about ongoing campus research
- Find collaborators
- Past Events: Big Data, Quantum, Sustainability, National Security, MRSEC, AB Nexus
- *RIO welcomes your suggestions for future Blitz themes and Teaming events!*





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Fall 2021 Proposal Writing Webinar Series*

- ~~Sept. 10th~~ — Planning Before You Write
- Sept. 24th Knowing Your Audience and Review Criteria
- Oct. 8th Describing the Project in One Paragraph
- Oct. 22nd Writing a One Page Project Summary
- Nov. 5th Keeping the Narrative Simple
- Nov. 12th Sustaining Your Argument

Are you considering brushing up on your grant writing skills? Are you hoping to demystify the grant writing or review process? Join RIO Proposal Writer Jim Mazzouccolo in this webinar series that will help you to identify and satisfy review requirements and clarify your writing. Whether you choose to attend each webinar or sharpen specific skills, you won't want to miss this opportunity to improve your grant writing skills.

**This series will be hosted in the morning, from 10:00-11:00am*

RIO Proposal Writing Support

Based on availability, RIO staff offer proposal support for the following:

- Large-Scale, High-Dollar, Complex, Multidisciplinary federal proposals;
- Arts, Humanities, and Social Sciences Proposals – federal proposals and select funding opportunities offered by professional societies and institutes;
- Bioscience Proposals – single investigator and team proposals with an emphasis on collaborative projects between CU Boulder and CU Anschutz researchers;
- SBIR/STTR (Center for Translational Research): market research, industry analysis and strategy for teams seeking to translate inventions into startup enterprises.

Guidelines and Process

Step 1:

[!\[\]\(339a16584d5da0f0a3ca4e9ec17bf6a1_img.jpg\) Click Here to Request Proposal Support](#)



Diane Carillo

- NSF CAREER Commit-to-Submit Writing Program:
 - Individual/one-on-one writing and proposal development coaching
 - Optional peer writing groups
 - Red team reviews
 - **February to July**
- NSF Mid-Career Advancement Writing Program (MCA):
 - Individual/one-on-one writing and proposal development coaching
 - Optional peer writing groups
 - Red team reviews
 - **September to February**



Jim Mazzouccolo



- **NIH R01 Commit-to-Submit Writing Program:**
 - One-on-one writing and proposal development coaching
 - Series of workshops
 - Peer writing groups
 - **January to May**



Donna Axel

- Fellowship Writing Webinar Series
ACLS, Fulbright and More:
 - Draft proposals
 - participate in one peer editing workshop
 - Optional one-on-one draft reviews
 - **July to September**
- NEH Fellowship Writing Webinar Series:
 - Draft proposals
 - participate in one peer editing workshop
 - Optional one-on-one draft reviews
 - **January to April**



Shared Instrumentation Network

Claudius Mundoma



- Core facilities or shared instrumentation to enable fundamental and applied research
- Promote interdisciplinary collaboration across departments, institutes and centers.



Broader Impacts Network (BIN)



ATLAS

ATLAS promotes rigorous, curiosity-driven investigation in a thriving academic community that is supportive, energetic and playful.



Biological Sciences Initiative

The Biological Sciences Initiative supports undergraduates to pursue bioscience-related research.



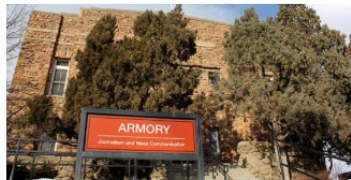
BOLD

The BOLD Center provides a place for engineering outreach, focusing on minorities.



Center for Communication and Democratic Engagement

The Center for Communication and Democratic Engagement supports broader impacts by encouraging, facilitating, networking and studying public participation practices.



Center for Environmental Journalism

The Center for Environmental Journalism was created to enrich public understanding of environmental issues.



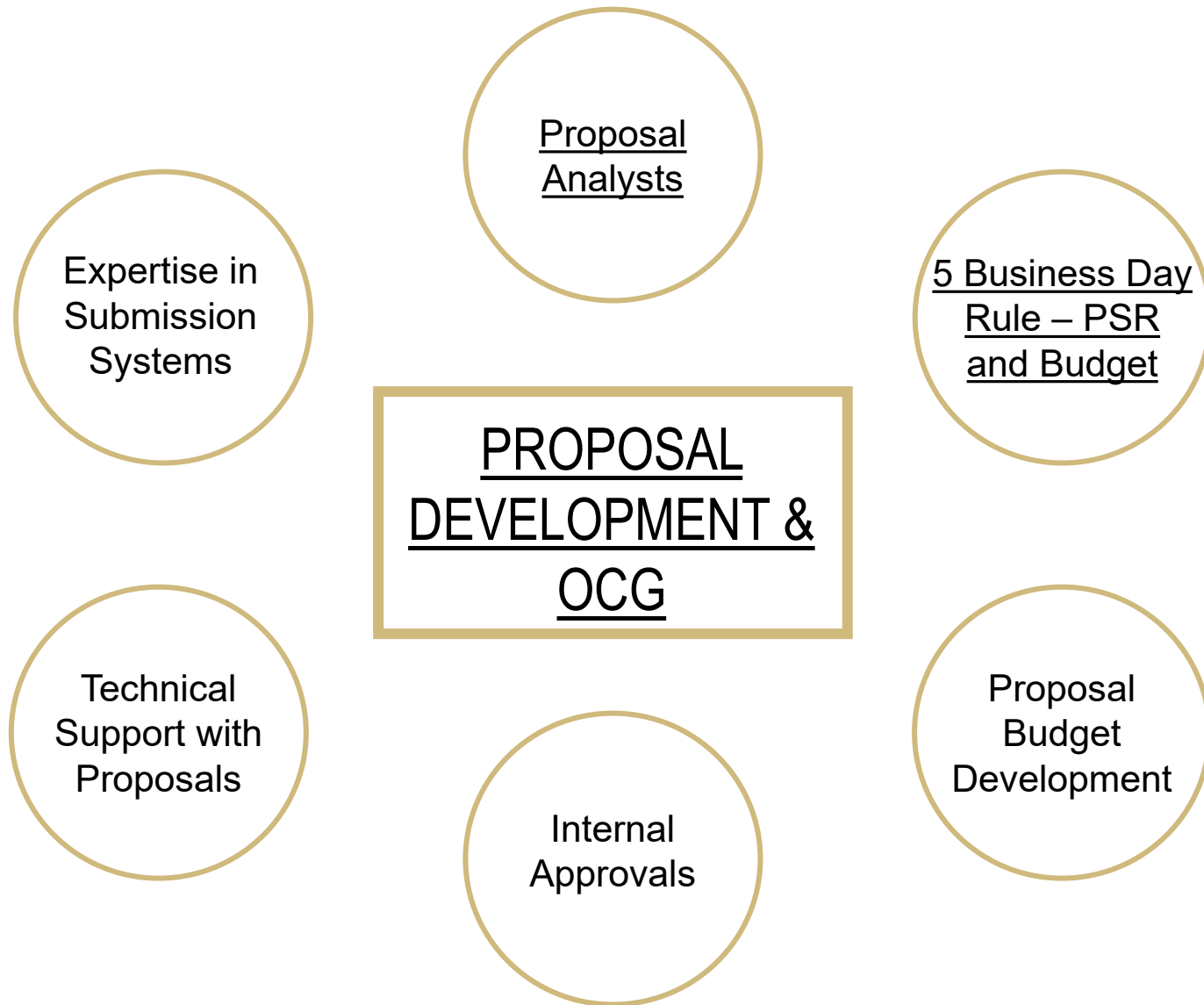
CIRES Education & Outreach

Provides educational and engagement opportunities for educators, students and the public to increase the understanding of environmental science.



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[Don't forget about our Proposal Writing Series, too!](#)

Receive all RIO Events right to your inbox by [subscribing to the RIO Bulletin!](#)

