2022 Spring Student-Faculty Medical Physics Meeting

Location: HAMP 2117
Date: September 19, 2022
Time: 5:00-6:30 pm
Welcome

New Medical Physics Students
2022-2023 Leadership

Mahsa Servati  
Co-President

Brian Bozymski  
Co-President

Humberto Monsivais  
Treasurer
From MPJC to PMPC

Constitution submitted to be registered and approved as *official Purdue student organization*

**Benefits**

- University recognition
- Eligibility for funding
- Official purdue.edu email address
Events: “Journal Club” Meetings

- Brief volunteer report on a recent MP-related publication
  - Group-wide discussion, including MP faculty
- ABR question review
Events: Meet Medical Physicists

- Host (virtually or in-person) a professional physicist
  - Purdue Alumni, Residents, Researchers, Clinical, Industry…
- Opportunity to…
  - Hear their journey
  - Learn about their day-to-day
  - Network!
- Always open to your suggestions
Events: Socials and Specials

- Student hangouts and socials
- Get to know your peers outside class
Awards ($$$)

➢ ONE $200 award for MP-related travel
➢ TWO $50 awards for annual AAPM membership dues

How?

*Earn points for PMPC participation, presentations, etc.*

• Awarded to students with most points at end of academic year
• Point collection detail via email
Fall 2022 Events

(Tentative → Check your emails!)

September 26th  –  Survey deadline (email)

October 3rd  –  SPECIAL EVENT “AAPM Non-Clinical Careers in MP with Dr. Alison Roth”

October 17th  –  Meet a MP with Eric Cameron, PhD, DABR, MRSE, Diagnostic MP

October 24th  –  Journal Club #1

November 7th  –  Meet a Medical Physicist

November 21st  –  Journal Club #2

December 5th  –  SOCIAL EVENT

https://purdue.ca1.qualtrics.com/jfe/form/SV_6iq6kDP0a9PZ4Ls
CV Reviews by Alumni

- CV cleanup before PhD/Residency/Postdoc applications
- Reviewed by volunteer Purdue MP alumni
- Accepting CVs starting late October – early November (email)
Questions/Suggestions?

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Brian Bozymosky
bbozymsk@purdue.edu
Important Dates: ABR Exam, Part 1

2022
August 1 – September 30
Applications for ABR Exam, Part I
Within 30 days, you will be notified via email of the status of your application
(Feb 1 – March 30)
https://www.theabr.org/medical-physics/initial-certification/part-1-exam/requirements-application#app

2023
January
Qualifying Exam, Part 1
(August)
Requirements: https://www.theabr.org/medical-physics/initial-certification/part-1-exam/requirements-application
Dates/Locations: https://www.theabr.org/medical-physics/initial-certification/certification-requirements/dates-locations-fees
AAPM Annual Conference

• Local Chapter (Ohio River Valley Conference, OVRC)
  • November 4\textsuperscript{th} and 5\textsuperscript{th} - Columbus Ohio

• RSNA
  • November 27 – December 1 – Chicago Ill

• Annual AAPM Conference
  • July 23 – 27 – Houston Texas
  • Great opportunity to present your research
  • Lots of professional development workshops
  • Networking with people from industry, residency, and academia
  • Purdue Alumni night!

Proffered Submission Deadline: typically, around the beginning of MARCH
Clinical Internships: RT Physics

Summer, 2023
HSCI 690 (3CR) – Radiation Therapy (RT) Physics Clinical Competencies I
Dr. Njeh and Dr. Oderinde,

Fall, 2023
HSCI 690 (3CR) – Radiation Therapy Physics Clinical Competencies II
Dr. Njeh and Dr. Oderinde

Fall, 2022
HSCI 672 – MRI QA Intern
Dr. Dydak

Spring, 2023
HSCI 674 – Diagnostic Imaging Physics Intern
Dr. Stantz

Summer, 2023
HSCI 690 (6CR) – Diagnostic MP Internship
Dr. Jones
CAMPEP - New Requirements, New Course

HSCI 590 (2CR) Human Sectional Anatomy
- Plan to start Fall, 2022 (Ongoing)
- This course will be required!
- Lead: Dr. Uzay Emir (taught by all faculty)
- Need: Volunteers to TA course for credit?

CAMPEP Workplace Environment and EDI standards
- Being reviewed for future vote
- Overview – All Admissions processes (3 bullet points) must demonstrate EDI and show institutional support of EDI processes
- Admissions – “All program staff involved in the admissions process, including applicant screening, interview, or rank participation, must undergo periodic implicit bias training.”
- Institutional Support – “All program staff involved in the leadership of the program must undergo periodic implicit bias training”
Brief Program Updates

• CAMPEP submission for reaccreditation in Feb; waiting on their review.

• 4+1 program does exist (College instituted a new format for all program webpages, working on resolving issues)

• Undergraduates in Research Labs
New Faculty/Collaborators

Dr. QiuHong He
• Developing magnetic resonance imaging and spectroscopy technology for early detection of human cancer treatment responses using in vivo biomarkers.
• Bacteria-based cancer therapy and imaging for rapid tumor tissue destruction in animal tumor models.
QiuHong He - College of Health and Human Sciences (purdue.edu)

Dr. Seyi Oderinde
• Biology-based approached to radiotherapy.
• He will be both at Purdue and IUSM

Dr. Allen Gardner (NE)

Dr. Chris Njeh (Radiation Oncology, IUSM)

Dr. Mychaela Coyne (Radiation Oncology, IUSM)
Faculty Research Projects

See:

FacultyResearchAreas.pdf (purdue.edu)
or
https://hhs.purdue.edu/wp-content/uploads/2022/09/FacultyResearchAreas.pdf
Conclusion

Questions?

Meet with each other and Faculty!