



Iowa Neuroimaging Consortium  
**Summer Neuroimaging Bootcamp 2022**

Monday, May 23 – Friday, May 24, 2022

09:00 – 12:00

# Who is the Iowa Neuroimaging Consortium?

It's you! It's ALL neuroimagers @ Ulowa

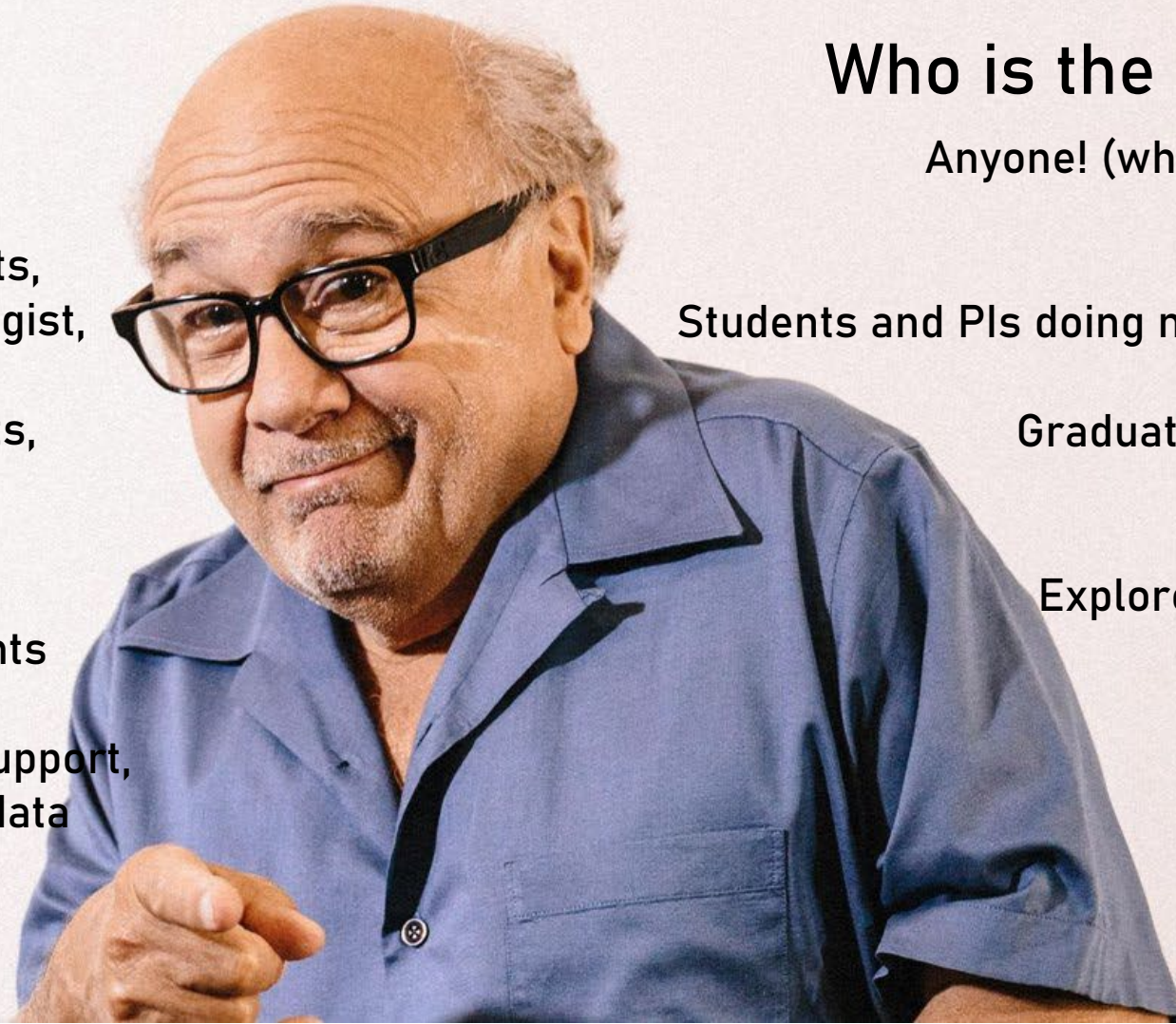
INC is a mechanism to promote *interdisciplinary collaboration* in neuroimaging research

We are neuroscientists, physicists, engineers, psychiatrists, neurologist, radiologist, computer scientists, cognitive scientists, psychologists, radiochemists, biostatisticians, neurosurgeons, etc.

We are Faculty, Staff, and Students

We provide services: research support, training, image processing, and data management

we have a website! [neuroimaging.uiowa.edu](http://neuroimaging.uiowa.edu)



# Who is the Bootcamp for?

Anyone! (who wants to understand neuroimaging)

Students and PIs doing neuroimaging research

Graduate students & Postdocs  
Summer Students!

Explorers of new techniques!

Beginners!

Iowa Neuroimaging Consortium

# Summer Neuroimaging Bootcamp 2022

## Learning Objectives

- Develop an understanding of neuroimaging from a data science perspective
- Gain a basic understanding of how MRI signals are generated
- Understand how different types of MR images are acquired and what information they provide
- Understand the techniques used in cleaning and preparing neuroimages to extract high quality biologically meaningful information from MR images
- Gain an appreciation of the complexity and pitfalls of neuroimaging
- Introduction to modeling neuroimaging data, including statistical issues that arise and options for efficacious analyses and communication of neuroimaging results



# Iowa Neuroimaging Consortium

## Summer Neuroimaging Bootcamp 2022

### Bootcamp Format

- 3 hours of lectures each day, for 5 days
- Lectures start promptly at 9:05am
- Lectures are ~45 minutes
- ~10-15 minute breaks for questions and bio-needs





# Iowa Neuroimaging Consortium Summer Neuroimaging Bootcamp 2022

Monday, May 23 – Friday, May 24, 2022

09:00 – 12:00

Website: [www.neuroimaging.uiowa.edu/education/inc-summer-neuroimaging-bootcamp](http://www.neuroimaging.uiowa.edu/education/inc-summer-neuroimaging-bootcamp)

Contact: [timothy-koscik@uiowa.edu](mailto:timothy-koscik@uiowa.edu) and/or [lauren-hopkins@uiowa.edu](mailto:lauren-hopkins@uiowa.edu)