

Saturday

SPPH01

AAPM Medical Physics Tutorial Session 1

Saturday, Nov. 26 12:00PM - 2:00PM Room: E351



AMA PRA Category 1 Credits™: 2.00
ARRT Category A+ Credits: 2.00

Participants

Thaddeus A. Wilson, PhD, Memphis, TN (*Moderator*) Nothing to Disclose

Sub-Events

SPPH01A Fundamentals of CT

Participants

Zheng Feng Lu, PhD, Chicago, IL, (zlu@radiology.bsd.uchicago.edu) (*Presenter*) Nothing to Disclose

LEARNING OBJECTIVES

1) Explain the underlying physics of CT imaging; 2) Identify the main components of CT systems in diagnostic imaging; 3) Introduce the primary acquisition parameters and the operating modes; 4) Describe radiation dose descriptors for CT imaging.

SPPH01B Primer and Clinical Significance of Artifacts in CT

Participants

Jiang Hsieh, PhD, Waukesha, WI, (jhsieh@wi.rr.com) (*Presenter*) Employee, General Electric Company

LEARNING OBJECTIVES

1) Identify root-causes of major CT artifacts. 2) Explain approaches used in CT scanner to suppress or eliminate artifacts. 3) Develop appropriate clinical protocols and procedures to avoid or minimize artifacts.

URL

SPGW01

NIH Grantsmanship Workshop

Saturday, Nov. 26 1:00PM - 5:00PM Room: E253AB



AMA PRA Category 1 Credits™: 3.75
ARRT Category A+ Credit: 0

Participants

Gayle E. Woloschak, PhD, Chicago, IL (*Moderator*) Nothing to Disclose

LEARNING OBJECTIVES

1) Gain greater understanding of the NIH grants process: a. Understand the process for preparing a research or training grant application. b. Learn the elements of a competitive grant application. 2) Gain insight into the new features of the NIH review process. 3) View the review process in action through a mock study section.

Sub-Events

SPGW01A Welcome and Introductory Remarks

Participants

Gayle E. Woloschak, PhD, Chicago, IL (*Presenter*) Nothing to Disclose

LEARNING OBJECTIVES

View learning objectives under main course title.

SPGW01B Preparing an R01 Research Application

Participants

Maryellen L. Giger, PhD, Chicago, IL (*Presenter*) Stockholder, Hologic, Inc; Stockholder, Quantitative Insights, Inc; Co-founder, Quantitative Insights, Inc; Royalties, Hologic, Inc; Royalties, General Electric Company; Royalties, MEDIAN Technologies; Royalties, Riverain Technologies, LLC; Royalties, Mitsubishi Corporation; Royalties, Toshiba Corporation;

LEARNING OBJECTIVES

Presentation on how to write an NIH R01 application.

ABSTRACT

URL

SPGW01C Preparing K Awards

Participants

Ruth C. Carlos, MD, MS, Ann Arbor, MI (*Presenter*) Nothing to Disclose

LEARNING OBJECTIVES

View learning objectives under main course title. 1) Determine the range of NIH K awards. 2) Learn successful strategies for structuring a K application.

Honored Educators

Presenters or authors on this event have been recognized as RSNA Honored Educators for participating in multiple qualifying educational activities. Honored Educators are invested in furthering the profession of radiology by delivering high-quality educational content in their field of study. Learn how you can become an honored educator by visiting the website at: <https://www.rsna.org/Honored-Educator-Award/>

Ruth C. Carlos, MD, MS - 2015 Honored Educator

SPGW01D Clinical Trials in Applications

Participants

Michael W. Vannier, MD, Chicago, IL, (mvannier@uchicago.edu) (*Presenter*) Nothing to Disclose

LEARNING OBJECTIVES

View learning objectives under main course title.

ABSTRACT

URL

Honored Educators

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educational content in their field of study. Learn how you can become an honored educator by visiting the website at:
<https://www.rsna.org/Honored-Educator-Award/>

Michael W. Vannier, MD - 2015 Honored Educator

SPGW01E Program Perspectives

Participants

Antonio Sastre, PhD, Bethesda, MD (*Presenter*) Nothing to Disclose

LEARNING OBJECTIVES

View learning objectives under main course title.

SPGW01F The Process of Review

Participants

Gayle E. Woloschak, PhD, Chicago, IL (*Presenter*) Nothing to Disclose

LEARNING OBJECTIVES

View learning objectives under main course title.

SPGW01G Mock Study Section

Participants

LEARNING OBJECTIVES

View learning objectives under main course title.

SPGW01H Questions to the Faculty

Participants

Gayle E. Woloschak, PhD, Chicago, IL (*Presenter*) Nothing to Disclose

LEARNING OBJECTIVES

View learning objectives under main course title.

SPGW01I Summary

Participants

Gayle E. Woloschak, PhD, Chicago, IL (*Presenter*) Nothing to Disclose

LEARNING OBJECTIVES

View learning objectives under main course title.

SPRW01

RSNA/ARR Study Section Reviewers Workshop What it Takes to be an Expert Reviewer for the NIH: The Peer Review Process Demystified

Saturday, Nov. 26 1:00PM - 5:00PM Room: E253CD



AMA PRA Category 1 Credits™: 3.75
ARRT Category A+ Credit: 0

Participants

Carolyn C. Meltzer, MD, Atlanta, GA, (cmeltze@emory.edu) (*Presenter*) Nothing to Disclose
Elizabeth A. Krupinski, PhD, Atlanta, GA, (ekrupin@emory.edu) (*Presenter*) Nothing to Disclose
Kathryn A. Morton, MD, Salt Lake City, UT (*Presenter*) Nothing to Disclose

LEARNING OBJECTIVES

1) Identify the different grant mechanisms available within the NIH and the requirements for submitting to a particular mechanism. 2) List the criteria used in the evaluation of NIH grants and what happens prior and during a study section review meeting. 3) Articulate the benefits of being a reviewer for the NIH and the different ways that one can be a reviewer. 4) Observe a mock study section presented by the NIH with experienced reviewers evaluating at least two grant mechanisms.

ABSTRACT

There are many reasons for getting involved in the grant review process for the NIH and other funding agencies. Being a grant reviewer is often one of the best ways to learn about what a 'good' grant is, thus assisting reviewers in their own grant writing activities. It is also a way to keep up on state-of-art research topics in your field, a great way to increase your service activities, and meet and interact with others in your field. This course will review what the grant review process is like and why junior and other faculty members should consider becoming a reviewer.

URL

Sub-Events

SPRW01A Welcome and Introductory Remarks

Participants

LEARNING OBJECTIVES

View learning objectives under main course title.

SPRW01B The Peer Review Process

Participants

LEARNING OBJECTIVES

View learning objectives under main course title.

SPRW01C Review of Criteria: Varying Emphasis by Grant Mechanism

Participants

LEARNING OBJECTIVES

View learning objectives under main course title.

SPRW01D Getting on a Study Section: How, Why, and Which One?

Participants

LEARNING OBJECTIVES

View learning objectives under main course title.

SPRW01E Panel Discussion/Q&A

Participants

LEARNING OBJECTIVES

View learning objectives under main course title.

SPRW01F Reviewing for Other Organizations

Participants

LEARNING OBJECTIVES

View learning objectives under main course title.

SPRW01G Mock Study Section

Participants

LEARNING OBJECTIVES

View learning objectives under main course title.

SPRW01H Closing Comments/Evaluations

Participants

LEARNING OBJECTIVES

View learning objectives under main course title.

SPPH02

AAPM Medical Physics Tutorial Session 2

Saturday, Nov. 26 2:15PM - 4:15PM Room: E351



AMA PRA Category 1 Credits™: 2.00
ARRT Category A+ Credits: 2.00

Participants

Thaddeus A. Wilson, PhD, Memphis, TN (*Moderator*) Nothing to Disclose

Sub-Events

SPPH02A Update on Current and Upcoming Technologies in CT

Participants

Norbert J. Pelc, ScD, Stanford, CA (*Presenter*) Research support, General Electric Company; Research support, Koninklijke Philips NV; Consultant, Varian Medical Systems, Inc; Consultant, NanoX; Scientific Advisory Board, RefleXion Medical Inc; Scientific Advisory Board, Prismatic Sensors AB; Medical Advisory Board, OurCrowd, LP ;

SPPH02B CT Dose and Protocol Management in Clinical Practice

Participants

Dominik Fleischmann, MD, Palo Alto, CA, (d.fleischmann@stanford.edu) (*Presenter*) Research support, Siemens AG;

LEARNING OBJECTIVES

At the end of this activity, participants will be able to: define the current regulatory develop and assess current technologies for clinical dose monitoring, recording, and analysis; including challenges and limitations develop a protocol management system

Handout: Dominik Fleischmann

http://abstract.rsna.org/uploads/2016/16001016/Fleischmann_Dose and Protocol Mgm_2016.pdf