

# Conference Abstracts and Presentations

# RSNA 2014 Annual Meeting

1. National Library of Medicine: Free Online Databases: Images and More (Hands-on)
  - a. Sunday 2:00-3:30 PM | RCA12 | S401AB and Thursday 10:30-12:00 PM | RCA52 | S401AB
  - b. Holly Ann Burt MLIS
2. Correlating Imaging with Human Genomics (Hands-on)
  - a. Monday 10:30-12:00 PM | RCA22 | S401AB
  - b. Daniel L Rubin MD, MS | Sandy Napel PhD | Olivier Gevaert PhD | Debra Willrett
3. Neuroradiology (New Techniques in Brain Tumor Imaging)
  - a. Monday 10:30-12:00 PM | SSC10 | N226
  - b. SSC10-02 - Development and Validation of a Quantitative Image Signature that Predicts Clinical Survival in Glioblastoma
  - c. SSC10-07 - Comparative Study of Predictive Classification Models for MGMT Promoter Methylation Using Imaging Features in Glioblastoma
4. Neuroradiology Monday Poster Discussions
  - a. Monday 12:15-12:45 PM | NRS-MOA | NR Community, Learning Center
  - b. NRS403 - Diffusion and Conventional MR Imaging Genomic Biomarker Signature Predicts Specificity Protein 1 Expression Identification in Glioblastoma Patients
5. Using RSNA Clinical Trial Processing (CTP) Software for Deidentification, Clinical Trials and Research Applications (Hands-on)
  - a. Monday 2:30-4:00 PM | RCB24 | S401CD
  - b. John Perry | Justin Kirby | Bradley J Erickson MD, PhD
6. Tapping into Big Data in Images: Annotation and Image Markup, Tools, and Applications (Hands-on)
  - a. Tuesday 10:30-12:00 PM | RCA32 | S401AB
  - b. Daniel L Rubin MD, MS | Adam E Flanders MD | Elizabeth S Burnside MD, MPH | Raghunandan Vikram MBBS, FRCR | Ross W Filice MD
7. Tue Dec 02 2014 12:45PM - 1:15PM ROOM BR Community, Learning Center: POSTER
  - a. Using Computer-extracted Features from Tumors on Breast MRI to Predict Stage
8. Tue Dec 02 2014 3:50PM - 4:00PM ROOM Arie Crown Theater: SCIENTIFIC PRESENTATION
  - a. Relationship of Quantitative MRI-based Phenotypes and the Molecular Classifications of Breast Cancers in the TCGA/TCIA Dataset
9. Tue Dec 02 2014 5:00PM - 6:30PM
  - a. Fourth Annual NCI-AAPM Imaging Genomics Meeting
  - b. Location: Hyatt Regency Chicago, 151 East Wacker Drive -- Watertower Room
  - c. Time: 5:00 - 6:30PM, Tuesday, December 2, 2014
10. Radio-Genomic Research: Accessing Clinical Imaging-Genomics-Pathology Data from Public Archives-The Cancer Imaging Archive (Hands-on)
  - a. Wednesday 8:30-10:00 AM | RCA41 | S401AB
  - b. C. Carl Jaffe MD | John B Freymann BS | Justin Kirby | Fred W Prior PhD | Lawrence R Tarbox PhD
11. Genitourinary (Novel MR Techniques for Imaging Gynecologic Malignancies)
  - a. Wednesday 10:30-12:00 PM | SSK09 | N228
  - b. SSK09-03 - Association between Radiophenotypic Computed Tomography Features and Prognostically Relevant Gene Signatures in Women with High-grade Serous Ovarian Cancer
12. Radiation Oncology Wednesday Poster Discussions
  - a. Wednesday 12:15-12:45 PM | ROS-WEA | RO Community, Learning Center
  - b. ROS134 [Trainee Research Prize - Medical Student] Radiosensitization of Glioblastoma Stem Cells by Targeting High-affinity Glucose Uptake

- c. Kailin Yang PhD | William Flavahan | Samuel T. Chao MD | Jeremy Rich MD
- 13. Structured Annotation and Image Markup (AIM) Template and Toolsets (Hands-on)
  - a. Wednesday 2:30-4:00 PM | RCA44 | S401AB
  - b. Pattanasak Mongkolwat PhD | Justin Kirby
- 14. Neuroradiology Series: Brain Tumors
  - a. Thursday 8:30-12:00 PM | VSNR51 | N228
  - b. VSNR51-02      Identification of Glioblastoma Radiophenotypes in Patients with 1p/19q Co-deletion

# TCIA Presentations

1. Vendt B, Smith K, Clark K, Commean P, Koppel P, Maffitt D, Moore S, Moulton J, Phillips S, Tarbox L, Wolfsberger M, Prior F; **The Cancer Imaging Archive (TCIA)**. Presented at the 2013 Mallinckrodt Institute of Radiology Poster Session, March 26, 2013, Washington University School of Medicine, Saint Louis MO; ([poster](#)).
2. Moore S, Kirby J, Clark K, Freymann J, Vendt B, Jaffe C, Smith K, Maffitt D, Tarbox L, Prior F; **Safe (Compliant) De-identification of Medical Images With Maximum Retention of Scientific Research Value**. Presented at the Annual Meeting of the Radiological Society of North America (RSNA), 2012; ([poster](#))
3. Prior F, Kirby J, Freymann J, Jaffe C, Smith K, Vendt B, Clark K, Tarbox L; **Building Open Science Communities For Imaging Research**. Presented at the Open Source EHR Summit & Workshop (OSEHRA) October 17-18, 2012. ([PPTX](#))
4. Tarbox L, Koppel P, Moore S, Pringle M, Kirby J, Prior F; **The Cancer Imaging Archive (TCIA): Creating a Large Public Image Collection**. Presented at the Annual Meeting of the Society for Imaging Informatics in Medicine (SIIM), 2012; ([PPT](#))
5. Clark K, Vendt B, Smith K, Freymann J, Kirby J, Koppel P, Moore S, Phillips S, Maffitt D, Pringle M, Tarbox L, Prior F; **The Cancer Imaging Archive (TCIA): Maintaining and Operating a Public Information Repository**. Presented at the Annual Meeting of the Society for Imaging Informatics in Medicine (SIIM), 2012; ([poster](#))
6. Freymann J, Kirby J, Jaffe C; **A Scalable Methodology for Correlating Clinical Imaging Features with TCGA Data**. Presented at the 2011 TCGA Scientific Symposium. ([poster](#))
7. Prior F, Freymann J, Vendt B, Clark K, Kirby J, Tarbox L, Koppel P, Moore S, Pringle M, Phillips S, Maffitt D, Jaffe C; **A Repository of Advanced Imaging Information Correlated with TCGA Samples**. Presented at the 2011 TCGA Scientific Symposium. ([poster](#))