The *Journal of Biomolecular Screening* (JBS) invites the submission of abstracts on topics related to screening by RNAi and precise genome editing technologies for publication in a 2015 JBS special issue. Abstract proposals will be used to select and invite papers for final review and consideration. JBS is looking for high quality, short or full length, data-driven research papers, reviews and perspective articles related to all aspects of commercially available RNAi libraries and related platforms, process development and validation for RNAi screening, screening data analysis and bioinformatic filtering, use of genome editing tools such as ZFN, TALENS, and CRISPR for hit validation and phenotype confirmation in multiple cell models, and target validation for drug discovery. Areas of interest include but are not limited to:

- Commercial RNAi libraries and their comparison
- Choosing an RNAi platform: siRNA, shRNA or esiRNA
- Arrayed vs. pooled RNAi library formats: when and why?
- RNAi cargo delivery reagents, e.g. chemical transfection reagents and viral based particles
- Processes development for RNAi screening
- Focused and genome-wide RNAi screening
- Design and attributes of positive and negative assay controls
- RNAi screening data analysis and hit nomination
- Identifying and dealing with off-target effects
- Hit validation post RNAi screening
- Target identification by synthetic lethality screens
- Use of ZFN, TALENS, and CRISPR for target validation
- Benefits and limitations of CRISPR vs. RNAi technologies

**Submit Your Abstract Before September 1, 2014**

1. Submit a title and abstract (up to 500 words) as an MSWord document/attachment to nhallock@slas.org. Please follow JBS Instructions for Authors, which are available at www.slas.org/publications/scientific-journals/author-instructions.

2. Include “JBS RNAi Special Issue” in the subject line of your e-mail.

3. Include your name, affiliation and contact info in the text of the e-mail and your MSWord document.

Invited authors will be notified by Sept. 8, 2014. Final manuscripts and related materials will need to be completed and submitted by Jan. 5, 2015. All submitted articles will be subject to peer-review to ensure scientific rigor, clarity of expression and integration with other contributions in the JBS Special Issue. At least 15 papers will ultimately be published in this JBS special issue. Accepted manuscripts will be published at JBS Online (http://jbx.sagepub.com) as soon as possible (approximately 30 days) after submission of copyright transfer agreement. For more info about JBS, visit www.slas.org/publications/journals.cfm. If you have questions, contact nhallock@slas.org. Thank you.