Cancer Metabolism

By Guest Editors Raymond Gilmour, PhD, and Susana Velasco-Miguel, PhD

The *Journal of Biomolecular Screening* (JBS) invites the submission of abstracts on topics related to cancer metabolism for publication in a 2017 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 research papers, reviews and perspective articles related to all aspects of cancer metabolism. Areas of interest include but are not limited to:

- Characterization of in vitro and in vivo activity of novel cancer metabolism inhibitors
- Enzyme assay development and validation for cancer metabolism targets
- Cell-based screening approaches to target cancer metabolism
- In vivo screens targeting tumor cell metabolism
- Synthetic lethality in targeting cancer metabolism
- Impact of oncogenes and tumor suppressors on metabolic reprogramming
- Hypoxia-induced metabolic reprogramming
- Identification and validation of metabolic immune cell targets for cancer therapy
- Regulation of the immune response by small metabolites
- Immunotherapies and Immuno-metabolism
- Metabolic reprogramming and the DNA damage and DNA repair response
- Mitochondrial physiology and tumor metabolic reprogramming
- The Warburg Effect and beyond
- Metabolic changes in response to chemotherapeutic treatment
- Metabolic reprogramming in drug resistance
- In vivo models of cancer metabolism
- New technologies to interrogate metabolic activity of cancer in vitro and In vivo. In vivo imaging
- NMR techniques to evaluate tumor metabolomics
- LCMS techniques to evaluate tumor metabolomics

Submit your abstract before April 1, 2016

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

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

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

Invited authors will be notified by April 10, 2016. Final manuscripts and related materials will need to be completed and submitted by July 1, 2016. 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. Submissions from SLAS members and nonmembers are welcome. Questions? Please e-mail nhallock@slas.org or call +1.630.256.7527.