

**The Third Tokyo–NRO Workshop
Submillimeter and THz Astrochemistry
First Announcement**

Date **March 17 and 18, 2010**
Venue **Rm. 381 Faculty of Science Bldg. 1, Hongo Campus, The University of Tokyo**
See the access map: <http://www.phys.s.u-tokyo.ac.jp/en/access/index.html>

Purpose and Scope of the Workshop

This workshop will widely cover recent progress of submillimeter- and THz-wave observations related to astrochemistry, which are being brought by various state-of-the-art instruments including Herschel, ASTE, APEX, SMA, JCMT and so on. Since molecular spectral lines at the submillimeter and THz region are mainly emitted from the densest part of star forming regions, we particularly focus on chemistry of protostellar cores and protoplanetary disks as well as chemistry of massive star forming regions. We would like to have intense discussions on chemical evolution from protostellar disks to protoplanetary disks. At the same time, any observational and theoretical studies related to astrochemistry are also welcome. This workshop is supported by Nobeyama Radio Observatory and the Global Center of Excellence (GCOE) program of the University of Tokyo. The scope of the workshop is summarized as follows:

- (1) Chemistry of Protostellar Cores
- (2) Chemistry of Protoplanetary Disks
- (3) Chemistry of Massive Star Forming Regions
- (4) Spectral Line Surveys
- (5) Current Topics from Herschel, ASTE, APEX, SMA, JCMT, and so on
- (6) Future Projects for Submillimeter and THz Astrochemistry
- (7) Other Related Topics

Workshop Style and Presentation

This is a small workshop inviting four or five foreign participants and about 20 domestic participants for detailed discussions and personal communications with one another. The workshop consists of invited talks and poster presentations. Invited speakers at this moment are as follows:

Yuri Aikawa (Kobe U.)
Suzanne Bischof (MPI, Bonn)
James D. Francesco (HIA)
Tomoya Hirota (NAOJ)
Jes Jorgensen (U. Bonn)
Ryohei Kawabe (NAOJ)
Munetake Momose (Ibaraki U.)
Fumitaka Nakamura (Nigata U.)
Hideko Nomura (Kyoto U.)
Nagayoshi Ohashi (ASIAA)
Chunfua Qi (CfA)
Nami Sakai (U. Tokyo)
Takeshi Sakai (U. Tokyo)
Ken'ichi Tatematsu (NAOJ)
and a few more...(TBD).

In addition to invited talks, we call for contributed papers. Most of the contributed papers will be presented in poster, whereas a few selected ones will be in oral. Anyone who wishes to present contributed papers should submit a title, authors, a short abstract (100 words), and a your preference of presentation style (oral or poster) by e-mail to the following address by February 15, 2010.

yamamoto@phys.s.u-tokyo.ac.jp

Registration and Travel Support

Because of a capacity of the meeting room (40 in maximum), if you wishes to join us in the workshop, please send a mail expressing your participation to the above address by February 15, 2010. Registration is not necessary for invited speakers. *Registration will be closed when the number of participants exceeds the above limit.*

A travel support for the WS is available for domestic participants. Please note your request for travel support on the registration mail. Since the fund is limited, we may not be able to support all the requests.

Travel and hotel arrangements should be done by individuals. Exceptions are for only invited overseas participants, for whom we would make necessary arrangements.

Workshop Program and Banquet

The scientific program will be informed soon. We will have a WS banquet on March 17.