

Workshop on Chemical Diagnostics of Star and Planet Formation
Science Program

March 5 (Thu)

- 13:10-13:30 Satoshi Yamamoto (U. Tokyo)
Welcome Address and General Introduction
- 13:30-14:00 Nami Sakai (U. Tokyo)
Deuterated Molecules in Warm Carbon Chain Chemistry
- 14:00-14:15 Fang-Chun Liu (ASIAA)
Millimeter and Submillimeter-wave Observations of Barnard 1-bN and Barnard 1-bS
- 14:15-14:30 Shigehisa Takakuwa (ASIAA)
Carbon-Chain and Organic Molecules in VeLLOs of L1521F and IRAM04191+1522
- 14:30-14:45 Kazuya Saigo (NAOJ)
The Thermal Condition and Observational Characteristics of the Rotating First Core
- 14:45-15:15 Brief Introduction of Posters (3 min each)
- 15:15-15:45 Coffee Break
- 15:45-16:35 Yancy Shirley (U. Arizona)
Developing a Chemical Evolutionary Sequence for Starless Cores
- 16:35-17:05 Tomoya Hirota (NAOJ)
Observational Studies on Dark Cloud Cores in the Early Evolutionary Stage
- 17:05-17:20 Catherine Walsh (Belfast)
Molecular Anion Chemistry in TMC-1
- 17:20-17:50 Ken-ich Tatematsu (NAOJ)
Orion A Giant Molecular Cloud in N_2H^+ , HC_3N , and CCS
- 17:50-18:05 Takashi Tsukakoshi (U. Tokyo)
Structure and Evolution of the Circumstellar Environments around Classical T Tauri Stars in Nearby Star Forming Regions
- 19:00- Banquet (Izakaya Dan)
(All participants are invited.)

March 6 (Fri)

- 9:00- 9:30 Yuri Aikawa (Kobe U.)
AKARI Observations of Interstellar Ice
- 9:30-10:00 Takashi Onaka (U. Tokyo)
AKARI Observations of Interstellar Ices in the LMC and Search for Deuterized PAHs
- 10:00-10:30 Shu-ichiro Inutsuka (Kyoto U.)
Magnetohydrodynamical Evolution of Protoplanetary Disks: Importance of Chemistry and Ionization
- 10:30-10:45 Coffee Break
- 10:45-11:15 Koji Tomisaka (NAOJ)
How is the Outflow Observed by Molecular Line Observation?
- 11:15-11:45 Hideko Nomura (Kyoto U.)
Chemical Structure of Young Stellar Outflow
- 11:45-12:00 Yoshito Shimajiri (U. Tokyo)
Observational Evidence for the Outflow-Triggered Star Formation in the OMC-2 Region
- 12:00-13:00 Lunch Break
- 13:00-13:30 Kazuyuki Omukai (NAOJ)
Star Formation in the Low-Metallicity Gas
- 13:30-13:45 Simon Glover (MPI, Heidelberg)
The Influence of Metallicity on the Evolution of Prestellar Cores
- 13:45-14:35 Henrik Beuther (MPI, Heidelberg)
Chemical Diversity in Massive Star Formation
- 14:35-14:50 Takeshi Sakai (NAOJ)
A Survey of Molecular Lines toward Infrared Dark Clouds
- 14:50-15:10 Coffee Break
- 15:10-15:40 Sheng-Yuan Liu (ASIAA)
(TBA)
- 15:40-15:55 Aya Higuchi (Tokyo Inst. Tech.)
The Survey of the Dense Clumps Associated with the Protoclusters
- 15:55-16:10 Yu-Nung Su (ASIAA)
The Molecular Condensations Associated with the Ultracompact HII

Region G5.89-0.39

16:10-16:20 Satoshi Yamamoto (U. Tokyo)

Closing Remarks

Poster Presentations

Kazuhisa Kamegai (JAXA)

Complex Organic Molecules in Southern Massive Star Forming Regions

Kaori Kobayashi (Toyama U.)

Toyama Microwave Atlas, Microwave Database for ALMA Age

Takashi Hosokawa (NAOJ)

Evolution of Massive Protostars with High Accretion Rates

Naomi Hirano (ASIAA)

Extreme Active Molecular Jet in L1448C

Shuro Takano (NAOJ)

Nobeyama 45m Legacy Project: Line Survey

Mika Sugimura (U. Tokyo)

Line Survey of the Shocked Region of L1157

Hsi-Wei Yen (National Taiwan University)

Spin-Down Envelope Rotation in B335