

# Miwa Goto

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English (fluent) // German (good) // Japanese (mother tongue)



## Education and Work History

### University

- 1991-1995 Undergraduate, University of Kyoto, Japan: Physics major
- 1995-1997 Master Course, University of Kyoto, Japan: Astrophysics major
- 1997-2000 PhD, University of Kyoto, Japan: Astrophysics major

### Post Doctoral

- 2000-2004 JSPS Fellow (Japan Society for Promotion of Science), National Astronomical Observatory of Japan  
Exchange Scientist to University of Hawaii
- 2004-2006 JSPS Fellow for Studying Abroad Max Planck Institute for Astronomy in Heidelberg, Germany
- 2006-2011 Postdoctoral Researcher, Max-Planck-Institute for Astronomy in Heidelberg, Germany
- 2012-2015 Research Associate, University Observatory Munich
- 2015-2017 Postdoctoral Researcher, Max Planck Institute for Extraterrestrial Physics in Garching, Germany
- 2017- Research Associate, University Observatory Munich

## Research Interest

- Chemistry in the interstellar medium, gas and ice
- Chemistry and kinematics of circumstellar disks

## Recent Observations

- CRIRES / VLT (DDT, PI, 2013)
- SINFONI / VLT (service mode, PI, 2013)
- IRCS / Subaru Telescope (classical, PI, 2013, 2014)
- Phoenix / Kitt Peak 4m-Mayall Telescope (classical, PI, 2014)
- Spex / IRTF (remote, PI, 2014)
- CSHELL / IRTF (remote/classical, PI, 2014/2015)
- EXES / SOFIA (service mode, PI, 2015)
- NIRSPEC / Keck II (classical, PI, 2016 Aug)

## Awards / Grant

- JSPS Fellowship (Japanese Society for the Promotion of Science) for Graduate Student, 1998-2000
- JSPS Fellowship (Japanese Society for the Promotion of Science), 2000-2003
- JSPS Fellowship for Science Research Abroad, 2004-2006
- DFG Schwerepunkt Programme 1573, GO 1927/3-1, 2012-2015
- DFG Grant Temporary Position for Principal Investigators GO 1927/6-1, 2017-

## Teaching

- "Essentials of Advanced Astrophysics" for astrophysics or physics major master course, Teaching assistant, 2012-2013
- "Astronomical Observing Methods" for physics major master course, Teaching assistant, 2012, 2013
- "Interstellar Matter and Star Formation" for physics major master course, Teaching assistant, 2014

## Outreach

- Girls Day at MPE 2016 Apr
- Die Sendung mit der Maus Türöffner-Tag 2012

## Recent Invited Talk

- ESO Calibration Workshop: the second generation VLT instruments and friends, Santiago, Chile (2017)
- IceAge - The Era of the James Webb Space Telescope, Leiden, Netherlands (2016)
- Science and Technology with E-ELT, International PhD School "F. Lucchin", Erice, Sicily (2015)
- ESO Lunch Talk, ESO, Garching, "Astrochemistry, cosmic rays, and H<sub>3</sub><sup>+</sup>" (2014)