

## Postdoctoral Research Scientist

The Kapteyn Astronomical Institute in Groningen, The Netherlands, invites applications for a postdoctoral research scientist. The successful candidate will mainly work on Herschel/PACS data. He or she is expected to actively participate in the PACS data analysis and to carry out related research. The candidate will be given the opportunity to pursue independent astrophysical research and to collaborate within Herschel Key Program teams.

The postdoctoral research scientist will encounter a stimulating scientific environment being in the same building as SRON, the PI institute and Instrument Control Center for the HIFI instrument. Staff from the Kapteyn Astronomical Institute and SRON are involved in many galactic and extragalactic Herschel Key Programs such as **GASPS** ("Gas Evolution in Protoplanetary Systems", PI: Dent), **WISH** ("Water In Star-forming regions with Herschel", PI: van Dishoeck), **HS3F** ("HIFI Spectral Surveys of Star Forming Regions", PI: Ceccarelli), **WADI** ("The warm and dense ISM", PI: Ossenkopf), **HEXOS** (Herschel/HIFI Observations of EXtraOrdinary Sources: The Orion and Sagittarius B2 Starforming Regions, PI: Bergin), **HERCULES** ("A Herschel survey of molecular lines in (U)LIRGs: physical conditions, the nature of the power source, and a benchmark for high-z observations", PI: van der Werf). Thus, there is an exciting range of opportunities to establish new collaborations.

Interested applicants should have a PhD in astrophysics or physics and proven experience in far-infrared observations, including analysis of line data and good knowledge of (molecular) spectroscopy. The ability to work in an international team and a good command of the English language are essential. Experience with the Herschel/PACS instrument and knowledge of the Python/Jython scripting language are considered an asset.

### Organization

#### University of Groningen

The university was founded in 1614 and is rooted in the North of the Netherlands. It is one of the best universities in Europe and the world and is characterized by a wide variety of disciplines, an international orientation and a socially active environment. Our researchers and lecturers are inspired academics our students are ambitious. We respect the differences in talent, ambitions and performance of the 25.000 students and members of staff.

The university provides a career advisory service for partners of new staff who move to Groningen.

The university is an equal opportunities employer. Because women are still underrepresented in a number of fields, they are particularly encouraged to apply.

#### Faculty of Mathematics and Natural Sciences

The Kapteyn Astronomical Institute is the astronomy department of the University of Groningen. The institute is one of the largest astronomy institutes in The Netherlands. The institute has a scientific staff of about 20 astronomers, 10 postdocs, 30 graduate students, and 30 senior undergraduates, and plays a prominent role in astronomy world-wide.

NOVA, (Nederlandse Onderzoekschool voor Astronomie), is one of the six national focus points of Dutch excellent research. Since 1991 the universities of Amsterdam, Groningen,

Leiden, Utrecht and, as of 2003, Nijmegen work together. NOVA is responsible for the coordination and stimulation of astronomical research in The Netherlands.

SRON Netherlands Institute for Space Research has built the Heterodyne Instrument for the Far Infrared (HIFI) to be flown on the Herschel Space Observatory of the European Space Agency (ESA). The Instrument Control Centre (ICC) responsible for the day to day operation of HIFI is located at SRON in Groningen.

### **Condition of Employment**

Additional conditions of employment:

The University of Groningen offers a salary dependent on qualifications and work experience up to a maximum of € 4374 (scale 11) gross per month for a full-time position. The duration of the contract is 2 years with a possible extension to a third year.

### **Additional Information**

Additional information about the vacancy can be obtained from:

Dr. Inga Kamp  
Tel: +31 (0)50 363 4070  
email: [kamp@astro.rug.nl](mailto:kamp@astro.rug.nl)

Or additional information can be obtained through one of the following links.

- [About the organization](#)
- [SRON](#)
- [Kapteyn Institute](#)
- [NOVA](#)

### **Application**

Interested candidates should send application material, including a curriculum vitae, a brief statement of past research and future plans, and arrange for three letters of reference to be sent to

Dr. Inga Kamp  
Kapteyn Astronomical Institute  
P.O. Box 800  
9700 AV Groningen  
The Netherlands  
E-mail address: [kamp@astro.rug.nl](mailto:kamp@astro.rug.nl)

Selection of candidates will start **September 15, 2009**, and will continue until the position is filled.