

ESO Fellowship Programme 2002/2003

The European Southern Observatory (ESO) awards several postdoctoral fellowships tenable at the ESO Headquarters, located in Garching near Munich, and at ESO's Astronomy Centre in Santiago, Chile. The ESO fellowship programme offers a unique opportunity for young scientists to pursue their research programmes while learning and participating in the process of observational astronomy with state-of-the-art facilities. ESO facilities include the Very Large Telescope (VLT) Observatory on Cerro Paranal, the La Silla Observatory and the astronomical centres in Garching and Santiago. ESO operates optical telescopes with apertures in the range from 2 m to 8 m, and the 15-m SEST millimetre radio telescope.

The main areas of activity are:

- research in observational and theoretical astrophysics;
- developing the interferometer and adaptive optics for the VLT;
- operating the Paranal and La Silla Observatories;
- development of instruments for current ESO telescopes;
- calibration, analysis, management and archiving of data from the current ESO telescopes;
- developing the Atacama Large Millimeter Array (ALMA);
- fostering co-operation in astronomy and astrophysics within Europe and Chile.

The main scientific interest of ESO Faculty astronomers in Garching and in Chile are given in the ESO web site (<http://www.eso.org/science/facultymembers.html>).

Both the ESO Headquarters and the Astronomy Centre in Santiago offer extensive computing facilities, libraries and other infrastructure for research support.

There are ample opportunities for scientific collaborations. The ESO Headquarters host the Space Telescope European Coordinating Facility (ST-ECF) and are situated in the immediate neighbourhood of the Max-Planck Institutes for Astrophysics and for Extraterrestrial Physics and are only a few kilometers away from the Observatory of the Ludwig-Maximilian University. In Chile, ESO fellows have the opportunity to collaborate with the rapidly expanding Chilean astronomical community in a growing partnership between ESO and the host country's academic community.

Fellows in Garching spend up to 25% of their time on the support or development activities mentioned above, in addition to personal research. They can select functional activities in one of the following areas: instrumentation, user support, archive, VLTI, ALMA or science operations at the Paranal Observatory. Fellowships in Garching start with an initial contract for one year normally followed by a two-year extension.

In Chile, the fellowships are granted for one year initially with an extension of three additional years. During the first three years, the fellows are assigned to either the Paranal or La Silla operations groups. They support the astronomers in charge of operational tasks at a level of 50% of their time, with 80 nights per year at either the Paranal or La Silla Observatory and 35 days per year at the Santiago Office. During the fourth year there is no functional work and several options are provided. The fellow may be hosted by a Chilean institution and will thus be eligible to propose for Chilean observing time on all telescopes in Chile. The other options are to spend the fourth year either at ESO's Astronomy Centre at Santiago, Chile, or the ESO Headquarters in Garching, or an institute of astronomy/astrophysics in an ESO member state.

We offer an attractive remuneration package including a competitive salary (tax-free), comprehensive social benefits, and provide financial support in relocating families. Furthermore, an expatriation allowance as well as some other allowances may be added. The Outline of the Terms of Service for Fellows (<http://www.eso.org/gen-fac/adm/pers/fellows.html>) provides some more details on employment conditions/benefits.

Candidates will be notified of the results of the selection process in February 2003. Fellowships begin between April and October of the year in which they are awarded. Selected fellows can join ESO only after having completed their doctorate.

Applications must be made on the ESO Fellowship Application Form at <http://www.eso.org/gen-fac/adm/pers/forms/index.html>. The applicant should arrange for three letters of recommendation from persons familiar with his/her scientific work to be sent directly to ESO. Applications and the three letters must reach ESO by October 15, 2002.

Completed applications should be addressed to:

European Southern Observatory

Fellowship Programme

Karl-Schwarzschild-Str. 2, 85748 Garching bei München, Germany

vacancy@eso.org

Contact person: Angelika Beller, Tel. +49 89 320 06-553, Fax +49 89 320 06-490, e-mail: abeller@eso.org

LIST OF SCIENTIFIC PREPRINTS

March–June 2001

1460. J.P.U. Fynbo, P. Møller, B. Thomsen, J. Hjorth, J. Gorosabel, M.I. Andersen, M.P. Egholm, S. Holland, B.L. Jensen, H. Pedersen and M. Weidinger: Deep Ly α imaging of two $z=2.04$ GRB host galaxy fields. *A&A*.
1461. L. Vanzì, S. Bagnulo, E. Le Floc'h, R. Maiolino, E. Pompei, W. Walsh: Multi-wavelength Study of IRAS 19254-7245 – The Superantennae. *A&A*.
1462. J. Reunanen, J.K. Kotilainen, M.A. Prieto: Near-infrared spectroscopy of nearby Seyfert galaxies. I. First results. *MNRAS*.
1463. M. Contini, S.M. Viegas, M.A. Prieto: The signature of high velocity gas in the spectra of NGC 4151. *A&A*.
1464. G. Li Causi, G. De Marchi, F. Paresce: On the accuracy of the S/N estimates obtained with the exposure time calculator of the Wide Field Planetary Camera 2 on board the Hubble Space Telescope. *PASP*.
1465. F. Comerón, A. Pasquali, G. Rodighiero, V. Stanishev, E. De Filippis, B. López Martí, M.C. Gálvez Ortiz, A. Stankov, R. Gredel: On the massive star contents of Cygnus OB2. *A&A*.

ESO, the European Southern Observatory, was created in 1962 to "... establish and operate an astronomical observatory in the southern hemisphere, equipped with powerful instruments, with the aim of furthering and organising collaboration in astronomy..." It is supported by nine countries: Belgium, Denmark, France, Germany, Italy, the Netherlands, Portugal, Sweden and Switzerland, soon to be joined by the United Kingdom. ESO operates at two sites in the Atacama desert region of Chile. The new Very Large Telescope (VLT), the largest in the world, is located on Paranal, a 2,600 m high mountain approximately 130 km south of Antofagasta, in the driest part of the Atacama desert where the conditions are excellent for astronomical observations. The VLT consists of four 8.2-metre diameter telescopes. These telescopes can be used separately, or in combination as a giant interferometer (VLTI). At La Silla, 600 km north of Santiago de Chile at 2,400 m altitude, ESO operates several optical telescopes with diameters up to 3.6 m and a submillimetre radio telescope (SEST). Over 1300 proposals are made each year for the use of the ESO telescopes. The ESO headquarters are located in Garching, near Munich, Germany. This is the scientific, technical and administrative centre of ESO where technical development programmes are carried out to provide the Paranal and La Silla observatories with the most advanced instruments. There are also extensive astronomical data facilities. ESO employs about 320 international staff members, Fellows and Associates in Europe and Chile, and about 160 local staff members in Chile.

The ESO MESSENGER is published four times a year: normally in March, June, September and December. ESO also publishes Conference Proceedings, Preprints, Technical Notes and other material connected to its activities. Press Releases inform the media about particular events. For further information, contact the ESO Education and Public Relations Department at the following address:

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1466. D. Heath Jones, Ben W. Stappers, Bryan M. Gaensler: Discovery of an optical bow-shock around pulsar B0740-28. *A&A*.
1467. T.-S. Kim, R.F. Carswell, S. Cristiani, S. D'Odorico, E. Giallongo: The Physical Properties of the Ly α Forest at $z > 1.5$. *MNRAS*.
1468. L. Vanzi, L.K. Hunt, T.X. Thuan: Near-infrared properties of Blue Compact Dwarf Galaxies: the link between solar and low metallicity. *A&A*.

A Note from the New Editor

It is a pleasure to serve as editor of *The Messenger*, and to work with my colleague Kurt Kjær, the technical editor, in this endeavour. This task is made easier by the fact that *The Messenger* has been developed to such high standards over the years, and for this I am most grateful to my predecessors, in particular Marie-Hélène Ulrich who has served in this position for the last eight years.

PETER SHAVER

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