

# ESO Fellowship Programme 2000

The European Southern Observatory (ESO) awards up to six postdoctoral fellowships tenable at the ESO Headquarters, located in Garching near Munich, and up to six postdoctoral fellowships tenable at ESO's Astronomy Centre in Santiago, Chile. The ESO fellowship programme offers a unique opportunity to participate in the activities of observational astronomy while pursuing a research programme 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. At La Silla, ESO operates eight optical telescopes with apertures in the range from 0.9m to 3.6m, the 15m SEST millimetre radio telescope, and smaller instruments. The VLT consists of four 8-m diameter telescopes, the first of which is now fully operational. The second telescope had its first light in April 1999 and will be fully operational on 1st April 2000. Both the ESO Headquarters and the Astronomy Centre in Santiago offer extensive computing facilities, libraries and other infrastructure for research support. The Space Telescope European Coordinating Facility (ST-ECF), located in the ESO Headquarters building, offers the opportunity for collaborations. In the Munich area, several Max-Planck Institutes and the University Observatory have major programmes in astronomy and astrophysics and provide further opportunities for joint programmes. In Chile, astronomers from the rapidly expanding Chilean astronomical community collaborate with ESO colleagues in a growing partnership between ESO and the host country's academic community. The main areas of activity at the Headquarters and in Chile are:

- research in observational and theoretical astrophysics;
- construction and management of the VLT;
- development of the interferometer and adaptive optics for the VLT;
- operation of the Paranal and La Silla observatories;
- development of instruments for the VLT and La Silla telescopes;
- calibration, analysis, management and archiving of data from ESO telescopes;
- fostering co-operation in astronomy and astrophysics within Europe and Chile.

In addition to personal research, fellows spend a fraction of their time on the support or development activities mentioned above:

In Garching, fellows are assigned for 25% of their time to a technical or instrumentation group, a user support group or a telescope-operation team in Chile. The fellowships are granted for one year with the expectation of a renewal for a second year and exceptionally a third year.

In Chile, the fellowships are granted for one year with the expectation of a renewal for a second and third year. During the first two years, the fellows are assigned to a Paranal operation group or a La Silla telescope team. They support the astronomers 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 third year two options are provided. The fellows may be hosted by a Chilean institution and thus be eligible to propose for Chilean observing time on all telescopes in Chile; they will not have any functional activity. The second option is to spend the third year in Garching where the fellows will then spend 25% of their time on the support of functional activities.

The basic monthly salary will be not less than DM 4853 to which is added an expatriation allowance of 9–12% in Garching, if applicable, and up to 40% in Chile. The remuneration in Chile will be adjusted according to the cost of living differential between Santiago de Chile and Munich. The fellow will also have an annual travel budget, for scientific meetings, collaborations and observing trips, of approximately DM 12,000.

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. The form is available either at URL <http://www.hq.eso.org/gen-fac/adm/pers/vacant/fellow.html> or from the address below. 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, 1999.

Completed applications should be addressed to:

European Southern Observatory  
Fellowship Programme  
Karl-Schwarzschild-Str. 2, D-85748 Garching bei München, Germany

Tel.: 0049-89-32006-219 – Fax: 0049-89-32006-497 – E-mail: [ksteiner@eso.org](mailto:ksteiner@eso.org)

## Contributed Software by Observers in the ESO Community

ESO welcomes the efforts of observers in the ESO Community to develop new procedures for observing or for data reduction.

Such procedures however, must be tested and integrated into the ESO data analysis environment before they become part of the official Data Flow System Pipeline supported by ESO.

ESO would encourage the authors to submit such packages to the "Contributed Software" section of ESO MIDAS.

## List of Scientific Preprints

(April–June 1999)

1320. G.A. Wade, G. Mathys, P. North: The Ap Spectroscopic Binary HD 59435 Revisited. *A&A*.
1321. P. Rosati et al.: An X-Ray Selected Galaxy Cluster at  $z = 1.26$ . *AJ*.
1322. F.R. Ferraro, B. Paltrinieri, R.T. Rood, B. Dorman: Blue Straggler Stars: The Spectacular Population in M80. *ApJ*.
1323. M.F. Sterzik, J.M. Alcalá, E. Covino, M.G. Petr: New T Tauri Stars in the Vicinity of TW Hydrae. *A&A*.
1324. R.T. Rood et al.: The Luminosity Function of M3. *ApJ*.
1325. C.L. Sarazin et al.: ROSAT HRI X-Ray Observations of the Open Globular Cluster NGC 288. *ApJ*.
1326. J.U. Fynbo, P. Møller, S.J. Warren: Extended Ly $\alpha$  Emission from a Damped Ly $\alpha$  Absorber at  $z = 1.93$ , and the Relation Between DLAs and Lyman-Break Galaxies. *MNRAS*.
1327. F. Marchis and S. Cuevas: Optical Tolerances of Active Telescope Architectures from Adaptive Optics. *Revista Mexicana de Astronomía y Astrofísica*.
1328. Th. Rivinius, S. Štefl and D. Baade: Central Quasi-Emission Peaks in Shell Spectra and the Rotation of Disks of Be Stars. *A&A*.
1329. P.E. Nissen, D.L. Lambert, F. Primas, V.V. Smith: Isotopic Lithium Abundances in Five Metal-Poor Disk Stars. *A&A*.
1330. F.R. Ferraro, M. Messineo, F. Fusi Pecci, M.A. De Palo, O. Straniero, A. Chieffi, M. Limongi: The Giant, Horizontal and Asymptotic Branches of Galactic Globular Clusters. I. The Catalog, Photometric Observables and Features. *AJ*.