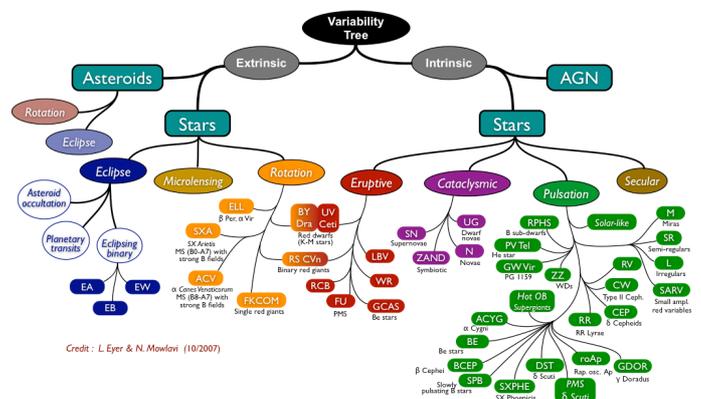


# Position as 'Scientific Collaborator' at the University of Geneva, Switzerland

The Geneva Observatory invites applications for a position to work on the preparation for the Gaia data processing. Gaia is an ESA mission due for launch in late 2012 that will undertake an astrometric, photometric and spectroscopic survey of the Galaxy. At the Geneva Observatory a group of 9 scientists and software engineers leads the European-wide collaboration responsible for the variability processing and analysis of the Gaia data.

The successful candidate will develop algorithms for the analysis of photometric and radial velocity times series of astronomical sources. The work involves: statistics; basic research into machine learning algorithms; software development, testing and documentation; application of classification algorithms to simulated and real data; analysis of results; publication of methods and scientific results.



The applicant should preferably have a **PhD in astronomy**, astrophysics or a related field. Applicants must be able to program (**Java** knowledge is an advantage) and have experience with **data processing, data mining or machine learning methods**. Suitable candidates are willing to operate in a international team environment and are fluent in English We consider **good interpersonal and communication skills** as a strong advantage. The position is initially available from 1 January 2011 to 31 December 2011. We foresee the position to extend beyond 2011 subject to an expected continuation of funding. The annual gross salary is typically between 70'000-100'000 Swiss Franc depending on past experiences.

To apply, please send before **31 October 2010** a motivation letter, a CV (listing education, experience, skills and publications) and three letters of recommendation to

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For more information see the following links:

Gaia Variability Processing homepage: <http://www.isdc.unige.ch/Gaia>  
Gaia homepage: <http://www.rssd.esa.int/index.php?project=Gaia>  
Geneva Observatory: <http://www.unige.ch/sciences/astro/>



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