

## Vacancy: Scientific programmer

The Netherlands Institute for Systems Biology (NISB) and Centrum Wiskunde & Informatica (CWI) in Amsterdam, The Netherlands invite applications for the position of a

### Scientific programmer

#### Job description

The scientific programmer will join a team of motivated postdocs and PhD students who study biological systems using quantitative and predictive models and multiscale computer simulations. Topics include blood vessel growth, plant development, genetic regulatory networks and metabolic networks in a multicellular context. The programmer will develop innovative research codes and/or simulation frameworks in collaboration with other investigators, and turn new and existing research codes into more widely applicable, well-documented modeling tools. These should enable biologists to transparently set-up simulations using concepts and representations familiar to them. Depending on interest and qualifications, the position may prepare for an academic promotion.

#### Location

The work will be embedded in the Biomodeling and Biosystems Analysis group of the Netherlands Institute for Systems Biology (NISB; [www.sysbio.nl](http://www.sysbio.nl)) and within the Life Sciences group of the Center for Mathematics and Computer Science (CWI) in Amsterdam. As the "core modeling group" of the Netherlands Consortium for Systems Biology, the Biomodeling and Biosystems Analysis group develops quantitative and predictive models and multiscale computer simulations in collaboration with systems biology groups at participating institutes.

#### Profile

- A scientific background, *e.g.* a B.Sc., M.Sc. or Ph.D in in **simulation and modeling**: *e.g.* a degree in theoretical biology or computational physics, computational science, or equivalent experience
- Able to communicate with scientists in biology and mathematics
- Excellent programming skills in C++ or equivalent; experience with object-oriented design
- Experience with scientific simulation and GUI-design is a pre

#### Conditions of employment

The vacancy concerns a temporary position for maximally four years. Salary and terms of employment are in accordance with the "CAO-onderzoekinstellingen" and based on qualifications, with a maximum of €2983 (Scale 8). Besides the salary and excellent working conditions, CWI offers attractive and flexible terms of employment, like a collective health insurance, pension-fund, and initial help with housing for foreigners. The position is for 38 hrs/week.

### **Applications and requests for information**

Direct requests for information and applications **before May 1<sup>st</sup>, 2009** to:

Dr. Roeland Merks, Roeland.Merks at (\* see below)

<http://www.cwi.nl/~merks>

phone +31 20 592 4117

Centrum Wiskunde & Informatica (CWI)

and Netherlands Institute for Systems Biology (NISB)

Mailing address: P.O. Box 94079, 1090 GB Amsterdam

Science Park 123, 1098 XG Amsterdam, The Netherlands

Applications must include a motivation letter, a curriculum vitae, and the names and addresses of at least two persons that can be approached to obtain further information.

Also see: <http://www.sysbio.nl> and <http://www.cwi.nl>.

### **Closing time**

1 May 2009

\* mail domain: sysbio.nl