

# Job Title: post doctoral (bio)informatician/statistician

Requisition ID 22673 - Posted - Research staff - 100% - Faculty of Veterinary Medicine - DI11 - Veterinary medical imaging and small animal orthopaedics

- **Apply before 10/04/2022 (DD/MM/YYYY) 23:59 (Brussels Time)**
- **Faculty of Veterinary Medicine**
- **Department: DI11 - Morfologie, Beeldvorming, Orthopedie, Revalidatie en Voeding**
- **Occupancy rate:100%**
- **Number of positions: 1**
- **Type of employment: Contract of limited duration**
- **Term of assignment: 1.5 jaar**
- **Wage scale: PD1 to PD4 (doctoral degree)**
- **Required diploma: PhD**

## ABOUT THE GHEENT UNIVERSITY DIGITAL PCR CONSORTIUM (DIGPCR)

DIGPCR is an interfaculty consortium of Ghent University researchers focusing on digital PCR method development and applications. DIGPCR pioneered the use of digital PCR (dPCR) in many applications, from pathogen detection to oncology. We continuously explore novel data analysis methods to enable a data driven analysis of dPCR data. For the vacancy, we are collaborating with Stilla Technologies. This company developed a six-color digital PCR instrument that enables the detection of a high number of nucleic acid targets in a single sample. Now, we aim to develop a method to automate partition clustering in a six-dimensional data frame and enable a comprehensive and easy-to-understand visualizations of the dPCR output for the end-user.

## ABOUT GHEENT UNIVERSITY

Ghent University is a world of its own. Employing more than 8000 people, it is actively involved in education and research, management and administration, as well as technical and social service provision on a daily basis. It is one of the largest, most exciting employers in the area and offers great career opportunities. With its 11 faculties and more than 80 departments offering state-of-the-art study programs grounded in research in a wide range of academic fields, Ghent University is a logical choice for its staff and students.

## YOUR TASKS

- You will be part of the multidisciplinary UGent team of digital PCR scientists working in close collaboration with the French company Stilla Technologies.
- You will explore a novel method to automate multidimensional clustering based on multiplex digital PCR output
- You will explore methods to visualize multiplex digital PCR data in two dimensions

## WHAT WE ARE LOOKING FOR

- You hold a thesis-based doctorate in the field of (bio)informatics and/or statistics, or your track record shows similar skills.
- Fluent English is mandatory
- A strong background in clustering is considered a big plus
- Experience in high-dimensional data analysis and visualization methods is a plus
- Knowledge of genomics and especially PCR is a plus, but not mandatory

## WHAT WE CAN OFFER YOU

- We offer you a contract of definite duration for 1,5 years, with an optional extension of six months.
- We offer you the opportunity to work in a highly multidisciplinary research team with world leading experts on digital PCR and collaborate with a dynamic company that is pushing the boundaries of this technology.
- Your contract will start on 1/05/2022 at the earliest.
- A competitive salary at the post-doctoral level. [Click here for more information about our salary scales.](#)
- All Ghent University staff members enjoy a number of benefits, such as a wide range of training and education opportunities, 36 days of holiday leave (on an annual basis for a full-time job) supplemented by annual fixed bridge days, bicycle allowance and eco vouchers. [Click here for a complete overview of all the staff benefits \(in Dutch\).](#)

## **INTERESTED?**

Apply **online through the e-recruitment system before the application deadline** (see above). We do not accept late applications or applications that are not submitted through the online system.

Your application must include the following documents and should be written in English:

- In the field **'CV'**: your CV and an overview of your study results (merged into one pdf file)
- In the field **'Cover letter'**: your application letter in pdf format
- In the field **'Diploma'**: a transcript of the required degree (if already in your possession). If you have a foreign diploma in a language other than our national languages (Dutch, French or German) or English, please add a translation in one of the mentioned languages.
- In the field **"other documents"**: a reference letter of your PhD supervisor(s) and optionally former employer

Note that the maximum file size for each field is 10 MB.

As Ghent University maintains an equal opportunities and diversity policy, everyone is encouraged to apply for this position.

## **MORE INFORMATION**

For more information about this vacancy, please contact Prof. Ward De Spiegelaere (Ward.DeSpiegelaere@UGent.be, +32 9 264 77 38). Important: do NOT send your application by email, but apply online.

Do you have a question regarding the online application process? Please read our FAQ.