

Radboud universitair medisch centrum
Servicebedrijf, productgroep Inkoop

To
Companies

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Date
14 October, 2016

Our reference
1025/LV

Page
1 of 2

Manager
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Subject

**Invitation market consultation
Long Read Single Molecule DNA sequencer**

KvK 41055629/4

Introduction

Radboud University Medical Center is a leading academic center for patient care, education and research. In preparation for an intended purchase of a long read single molecule DNA sequencing platform Radboudumc wants to consult the market.

Motivation

Radboudumc is consulting the market for a long read single molecule DNA sequencing platform. The platform will be used in a clinical setting and therefore should have a high degree of accuracy.

The system will be placed at the Genome technology center in the Human Genetics department of the Radboudumc. It will be used to detect variants that are disease causing or relevant for therapeutic choices in routine diagnostic applications but also in ongoing research projects. Because of the increasing impact of genetic knowledge it is important the platform is flexible in terms of capacity, possible applications, time to result (depending on applications used).

Specification

Radboudumc is looking for a long read sequencing platform with the following requirements:

- The platform must be launched and supported as a full commercial product.
- The platform must be supported by a comprehensive technical support team
- The platform must support a variety of commercially available sequencing applications, ranging from a full human genome with 30x coverage or more to targeting specific regions or genes in the human genome in a larger cohort of DNA-samples (i.e. HLA typing with >100x coverage).
- The platform must be capable of sequencing long DNA fragments, i.e. average read length 10000 bases or more.
- The platform needs to provide very accurate sequence information, consensus calling to remove random sequencing errors is considered an advantage
- The platform needs to be able to sequence single molecules of native DNA (without PCR)
- Flexible in terms of capacity and time to result,
- It needs to include software for analyzing long-read sequence data
- The system needs to be able to connect to a LIMS, thus allowing automation of data handling.

Radboudumc wants to have an indication of the costs to purchase such a system and costs to run the system.

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Our reference
1025/LV

Page
2 of 2

Sign up

If your company is able to provide a long read single molecule DNA sequencing platform, we invite you to submit your interest no later than 28 October, 2016.

You can do this by sending an email to: lieke.versteegen@radboudumc.nl.

After receipt of your e-mail we will contact you in order to schedule a market consultation interview at Radboudumc Nijmegen.

If you have any questions about the procedure, please ask by email: lieke.versteegen@radboudumc.nl

After the consultation interviews the Radboudumc will make a decision about the next step in the procurement procedure.