

# glam

Glass-Laser  
Multiplexed  
Biosensor

## 1st NEWSLETTER

20 July 2016

[glam-project.eu](http://glam-project.eu)



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## TABLE OF CONTENTS

Project Presentation	3
Consortium Meetings	4
Dissemination	5
Other activities	6
Partners	7
Contact	8

## Project Presentation

**GLAM project develops a device to monitor and diagnose genitourinary cancers in a personalized way, rapidly, and at low cost. Additionally, it is done in a less invasive and unpleasant way.**

Currently, differential cancer diagnosis takes place daily in clinical settings for both patient stratification and monitoring patient responses to existing treatments. However, the outcome of this diagnosis today is still poor, with many deficiencies and false positives and negatives due to the low sensitivity and specificity of available methodologies. Moreover, as new targeted therapies are available to patients and to oncologists there is a huge need to improve personalized diagnosis and therapy.

The objective of GLAM is to develop a new diagnostic tool to detect biomarkers from biofluids, obtained in a non invasive manner, specifically in urine and focusing on genitourinary cancers, enabling oncologists to take better treatment decisions. To this end, GLAM project will develop an integrated device based on novel label-free photonic biosensors with ultra-sensitivity, simplicity of use, portability, multiplexing and low cost by simply applying a drop of urine and reading 10 biomarker levels.

The GLAM unique technology will make the device also usable with other biofluids aside of urine and might also be used to help physicians in personalized medicine in many other biomarker driven diseases, aside of cancer.

## Consortium Meetings

### 1. 6 Months Meeting in Enschede

On the 12th of November 2015, the GLAM consortium met in Enschede (The Netherlands) hosted by the University of Twente for a meeting after the six first months of the project execution. Project partners made individually a presentation of their technical tasks and challenges that they met. Key points discussed included biomarkers and device development.



### 2. 12 Months Meeting in Brussels

On the 9th and 10th of May, the GLAM consortium met for the third time to present the latest project developments and discuss the future steps for the project execution. All partners met in Brussels in the facilities of the Université Libre de Bruxelles.



## Dissemination

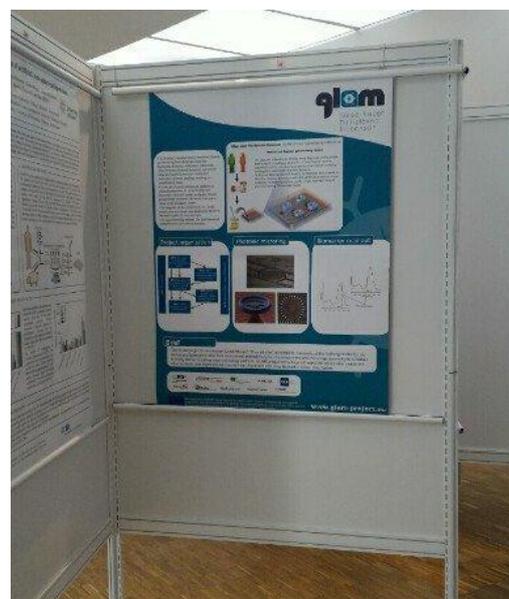
### 1. Press release for the kick-off of the project

On the 9<sup>th</sup> of July 2015, the GLAM consortium issued a press release that was widely distributed by a press agency across Europe and North America. Also, partners published the press release on their websites, magazines such as the [IBEC](#) and sent it to their contacts. The press release aimed at presenting the project in a non-technical way to the media and potential investors. The feedback was quite good as many news articles were published and the coordinator got contacted by interested parties.

### 2. GLAM Project at Clinical Nanomedicine and Targeted Medicine Conference in Basel

From the 26th to the 29th of June, the CLINAM (Clinical Nanomedicine and Targeted Medicine) Conference took place in Basel, Switzerland. The theme of this year's edition was Enabling Technologies for Personalized Medicine. This event gathered various large European actors in the field of biotechnologies, medicine, and nanomedicine including the European Commission, nanomedicine, nanotox, EMRS, EMPA, and much more.

GLAM project attended this event and presented a poster to explain latest research activities in the field of biosensors. Marc Masa from LEITAT attended the event to disseminate the project.



### 3. Communication materials

The GLAM consortium created various materials since the kick-off of the project including a leaflet, a roll-up, posters and in addition to that online communication channels such as website and Twitter account.

## Other activities

### 1. GLAM supports Leukemia Research

During the months of March and April, GLAM Project helped in the promotion of a local event taking place in Barcelona about research around Leukemia. This event was the 3rd StandUpPaddle (SUP) Event in Barcelona for Leukemia Healing. The Josep Carreras Foundation was the organisation behind this campaign to undertake the research thanks to the collected funds. GLAM invited all stakeholders to join efforts in order to get closer to Leukemia's healing.

GLAM used its network and communication channels to raise awareness about this campaign and managed to collect 110€. 100% of donations were forwarded to the Josep Carreras Foundation. The [IBEC](#) and other partners distributed the news on their websites.

This is the visual support that was used during the campaign:

**¡SAVE THE DATE!**

**3ª FESTA SUP  
PER LA CURACIÓ  
DE LA LEUCÈMIA**

**24  
ABRIL**  
10:00 AM  
PLATJA NOVA MAR BELLA  
BARCELONA

[www.supbarcelona.es](http://www.supbarcelona.es)

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**GLAM SUPPORTS LEUKEMIA RESEARCH**

### 2. The Faculty of Sciences of the ULB publishes a video about GLAM

GLAM is presenting a video to explain in a simple and didactic way what is the project all about and the capacities of the device under development. The communication office and the faculty of sciences of the ULB (Université Libre de Bruxelles), member of the consortium, created a video to explain the basic objectives of the project. Gregory Kozyreff, professor at the Non-linear Optical service of the Faculty of Sciences, explains how light waves can help to detect cancer with the help of a biosensor.

[Watch the video on YouTube here.](#)

## Partners

LEITAT Spain



Fundació Institut de Bioenginyeria de Catalunya Spain



Universiteti Twente The Netherlands

**UNIVERSITEIT TWENTE.**

WizSoft Israel



Université Libre de Bruxelles Belgium



Fundació Institut de Ciències Fotòniques Spain



Stichting Katholieke Universiteits The Netherlands

**Radboudumc**

Novelic Serbia



Optocap United Kingdom



Obelis Belgium



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