



## Zsolt Bagyura

### Managing Director

Bioscreen Ltd.

<http://www.bioscreen.hu>



### Bilateral Meetings

- Thursday (1:30pm - 6:00pm)
- Friday (9:00am - 12:00pm)

### Description

Bioscreen Ltd is an innovative medical IT company founded in 2011 by a group of medical doctors of Semmelweis University, Budapest, Hungary. The company's main focus is research software and database development, with strong experience with implementation and integration of devices on the field of healthcare and sports medicine. Bioscreen Ltd has expertise in software development for screening programs, clinical research management and diagnosis support systems.

We developed an innovative hospital data collection platform with a structural reporting interface for radiology reporting, the iSORT, which has entered the market recently at several public clinics and private imaging centers in Europe. With the use of iSORT radiologists receive an easy-to-use platform for reporting which guides through the reporting process, and patients and clinicians receive an easy-to-comprehend, standard quality report. The detailed database created by iSORT can be further utilized for quality management and scientific research purposes.

### Organization Type

Company

Organization Size

1-10

Founding Year

2011

Email

[bagyura@gmail.com](mailto:bagyura@gmail.com)

Country

Hungary

City

Debrecen, Bajcsy-Zsilinszky E utca 8. 1. em. 15. [Google map](#)

Offer

### Structured reporting platform (iSORT)

In iSORT clinical findings are reported with the help of structured forms based on current guidelines.

While radiologists receive an easy-to-use platform for reporting, patients and clinicians receive easy-to-comprehend standard quality reports. The detailed database could be further used for quality, cost-effectiveness and management purposes, while researchers gain a scientific database that contains imaging findings.

The main benefits of our structured reporting software are:

- Standardizes the reporting process, and provides guidance for reporting physician.
- Standardizes the clinical report structure according the international guidelines (quality control).
- Accelerates reporting and decreases the workload of clinicians, therefore clinicians can focus on actual image analysis.
- Provides measureable performance of clinicians or clinical centres (time to report, overall reporting time, report complexity, radiation dose surveillance, etc.).
- Creates a large database and structured clinical report with single data entry. The database works as a searchable, analysable scientific registry.
- Allows for multilingual report creation with single data entry.
- As a vendor-neutral solution iSORT is compatible with wide range of existing architectures (HL7, DICOM compatible)

Keywords: radiology cardiology reporting

Cooperation Offered

1. Sales / Distribution
2. License agreement

Offer

## **Comprehensive risk prediction tool for recurrent myocardial infarction**

We are developing, implementing and validating a multi-dimensional risk prediction tool to identify patients who are at increased risk to suffer a second myocardial infarction. Our expertise lies in cardiovascular imaging and epidemiology. Considering the wide range of methodologies employed to identify the vulnerable patient a great emphasis will be taken to model the propensity of individual plaque to cause acute coronary event. Computation of vulnerability score clearly depends on multiple data and combination of multiple criteria, therefore experts in applied mathematics are essential. Experts in computational fluid dynamics are needed to cover wide aspects of hemodynamic simulations and to ensure transdisciplinary approaches.

Keywords: AMI MI cardiology imaging risk assessment

Cooperation Offered

1. Technical co-operation