



## Workpackage 4

### WP 4: Development of bioassays

**Leader:** Arrayon Biotechnology

Sensitive microarray-based immunoassays will be developed implying SPION-conjugated arthritic target molecules. Assets include the identification and selection of high affinity binding target molecules or antibodies forming sustainable bio/immune-interactions with bio-functionalized SPION. Microarray-based immunoassays and devices will be developed, allowing highly sensitive and quantitative detection of SPION-conjugated biomarker in biofluids.

### Participants

- Arrayon Biotechnology
- AnaMar AB
- Ecole Polytechnique Fédérale de Lausanne, Institute of Materials, Powder Technology Laboratory
- Merck Serono, Strategic Innovation & Research & Portfolio Management
- Merck Chimie – Estapor Microspheres Division
- Centre Suisse d'Electronique et de Microtechnique, Microfluidics & Microhandling SA
- University of Fribourg, Department of Chemistry

WP 1 | WP 2 | WP 3a | WP 3b | WP 5 | WP 6 | WP 7 | WP 8 | WP 9 |

### Contact

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