

## **MOLECULAR PATHOLOGY WORKING GROUP: ACTIVITIES OF THE GROUP IN 2017**

### **1. ACTIVE WORKING GROUPS:**

- OEI-ESP Working Group on Next Generation Sequencing in Clinical Research. (I. Gut, G. Stanta)
- ESP Pre-Analytical Tissue Condition Working Groups. (collaboration with SPIDIA4P project and BBMRI-ERIC Quality WG)
- ESP – Heterogeneity, inter-WGs of ESP: sampling proposals (WG leaders)
- OEI-ESP Liquid Biopsy WG (A. Jung, G. Stanta)
- ESP – Proteomics SOPs in AT (K. Becker)
- ESP Molecular Morphology (G. Stanta)
- Member of the Committee of CEN (European Committee for Standardization) for Molecular in-vitro diagnostic examinations - Specifications for pre-examination processes for fresh tissues, FFPE tissues, blood for DNA, RNA and proteins, technical specifications to ISO 15189. Giorgio Stanta is the liaison representative from ESP to CEN/TC 140.

### **2. CONGRESSES, COURSES AND MEETINGS CARRIED OUT IN 2017 (participation as MOPA WG):**

- 13-16 March: co-organization of the OEI-EACR conference "Making it Personal: Cancer Precision Medicine" held in Amsterdam: "Research in patients biological material as today's integral part of clinical activity".
- 3-4 April: organization of the meeting of the Working Group for plasma DNA analysis standardization, organized by ESP-MOPA WG, OEI, CRO, ATMA-EC, and BBMRI.IT. The meeting was held in CRO campus in Aviano.
- 26-27 April: organization of the meeting of the Working Group for NGS guidelines standardization, organized by ESP-MOPA WG, OEI, CRO, ATMA-EC, and BBMRI.IT. The meeting was held in CRO campus in Aviano.
- 8-10 May: co-organization of "7th EACR-OEI-ESP Joint Training Course Molecular Pathology Approach to Cancer", held in Amsterdam.
- 11-13 May: International Symposium on "Resolving Cancer Heterogeneity", held in Washington: "Tumour Heterogeneity: a complex approach to clinical research and diagnostics".
- 21 June: organization of OEI Pathology Day "N-1 trial consortium: collaboration among oncologists, pathologists, bioinformaticians, and ethics experts", held in Brno.
- 2-6 September: co-organization of the ESP Congress in Amsterdam.
  - a. Symposium: "In-situ methods: molecular pathology of the microenvironment".
  - b. Symposium: "Tissue-based proteomics: State-of-the-art in clinical research and molecular diagnostics".
  - c. Joint symposium: "The times are changing – the situation of molecular pathology across Europe in an era of technological revolution".
- 23-25 October: participation at the meeting of project CHARME: Standardization in Life Sciences in Split.

### **3. PROJECTS (participation of MOPA WG chairs and members):**

- Participation in the European project HERCULES (Comprehensive characterisation and effective combinatorial targeting of high-grade serous ovarian cancer via single-cell analysis)

Project financed by the European Commission – Horizon 2020 – Call: H2020-PHC-2015 – Topic: PHC-02-2015 – Type of action: RIA – Proposal number: 667403-2. Coordinator: Prof. Sampsa Hautaniemi, University of Helsinki.

New type of collaboration between basic/translational research and clinical research for rapid validation of new biomarkers and molecular targets.

-Participation in the European project SPIDIA4P (SPIDIA for Personalized Medicine - Standardisation of generic Pre-analytical procedures for In-vitro DIAgnostics for Personalized Medicine).

Project financed by the European Commission – Horizon 2020 – Call: H2020-SC1-2016-RTD – Activity: SC1-HCO-02-2016 – Funding scheme: CSA – Proposal number: 733112. Coordinator: Qiagen GmbH, Hilden (Germany).