



**POSTER #3**

**NEUBIAS: A (NEW!) NETWORK OF EUROPEAN BIOIMAGE ANALYSTS TO  
ADVANCE LIFE SCIENCE IMAGING**

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Bioimage analysts are new experts that are increasingly wanted, mostly by imaging facilities, to analyze image data in life sciences. We introduce the startup of a network of those experts funded by the COST framework. The network aims at establishing a community to boost the output of bioimaging-based research in Europe.

BioImage Analysis (BIAS) is a critical step in imaging-based research and currently is its narrowest bottleneck. A pilot survey showed that only 42% of acquired image data is quantitatively analyzed, that 95% of those surveyed considered BIAS important-to-essential in their research, and that 68% considered more support and training are required. Consequently, the huge investments made by research institutes in imaging systems are not well balanced by the capacity to analyze the data produced. Moreover, size and quantity of image data are constantly increasing and stronger support is inevitably needed. Bioimage analysts are emerging in various research institutions to increase the fraction of analyzed image data and their activity is however mostly local, not well-networked and poorly coordinated.

Our network, NEUBIAS, aims at 1) establishing the identity and career path of bioimage analysts as a bridge between information science and Life/Biomedical science; 2) working jointly to solve bioimage analysis problems with the development of training framework, the organization of analysis tools and their benchmarking, the sharing of workflows, and the establishment of open publication platforms; and 3) becoming the responsible body for keeping the scientific integrity of image data analysis in the Life Science and biomedical fields.

This Action aspires to support the long-term scientific goals of European science and industry by bridging essential fields of scientific excellence. We will explain the objectives and planned activities of NEUBIAS for achieving these aims.