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Christian D. Depeursinge

I. Alex Vitkin

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Telephone +1 360 676 3290 (Pacific Time) · Fax +1 360 647 1445
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Optical Society of America
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Christian Depeursinge, Ecole Polytechnique Fédérale de Lausanne
(Switzerland)

Tissue and Specimen Imaging II

Christian Depeursinge, Ecole Polytechnique Fédérale de Lausanne
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Introduction

The European Conference on Biomedical Optics (ECBO) was held in Munich, Germany on 14–18 June 2009 and showcased the depth and breadth of worldwide research effort in biophotonics. Its ~500 attendees were treated to seven thematic sub-conferences, with each featuring oral and poster presentations delivered during the ECBO week. Many of the authors also submitted manuscript summaries of these presentations, which were compiled into the present conference proceedings volumes. The one you are currently holding in your hands represents the summary of the Novel Optical Instrumentation for Biomedical Optics (NOIBA) sub-conference.

The NOIBA sessions were characterized by a variety of exciting and emerging biophotonic approaches. As you read this volume, you will discover novel and challenging biophysical studies and technology developments that employ photoacoustic, holographic, coherent, and polarimetric methods, among others. Lab-on-chip research, endoscopic implementations, and advanced imaging and spectroscopy applications are also well represented. The breadth and variety of the research for photonic tissue assessment and manipulation were certainly in evidence during the NOIBA sessions at the conference, and we hope that the present volume conveys some of that excitement. We also encourage you to peruse the other six proceedings volumes of the ECBO 2009 conference, and we look forward to your continuing active participation in the biophotonics field!

Christian D. Depeursinge
I. Alex Vitkin