



## Predictive Diagnostics and Personalized Treatment

Guest Editor:

**Prof. Dr. Olga Golubnitschaja**

Predictive, Preventive  
Personalised (3P) Medicine,  
Department of Radiation  
Oncology, University Hospital  
Bonn, Rheinische Friedrich-  
Wilhelms-Universität Bonn, 53127  
Bonn, Germany

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### Message from the Guest Editor

The paradigm change from reactive medicine to a cost-effective predictive approach and personalization of medical services is non-incremental in biomedical sciences and healthcare. A predictive and personalized approach ranges from identifying individuals in a suboptimal health condition followed by cost-effective targeted prevention, to palliative care evolving from “just end of life” care to treatment algorithms tailored to the person with optimized individual outcomes. Multiprofessional expertise is essential. Methodology and tools include phenotyping and genotyping, condition-specific biomarker panels, patient stratification, individualized profiling, liquid biopsy, application of artificial intelligence, and disease modeling. Medical ethics and the healthcare economy have to be considered for any innovation proposed.





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Internal Medicine Department,  
University Hospital Strasbourg,  
67000 Strasbourg, France

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of Tokyo, Tokyo 113-8655, Japan

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*Journal of Clinical Medicine* Editorial  
Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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