



BASTION



Kick-Off Meeting, 27th November 2012, Warsaw

**Cancer Biology & Therapeutics (CBT) Laboratory
at University College Dublin**



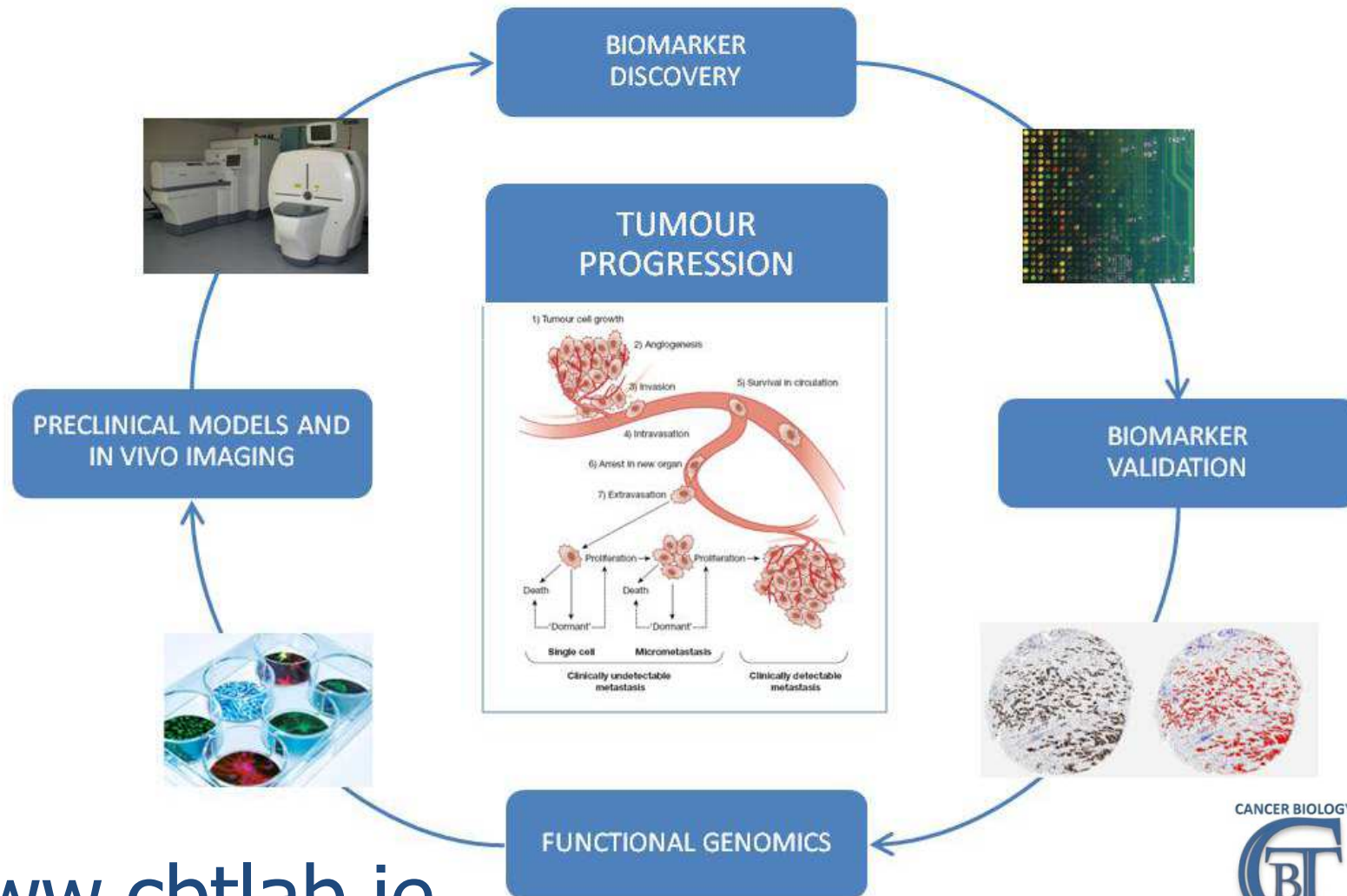
Prof. William M. Gallagher

**Associate Professor of Cancer Biology, UCD Conway Institute,
University College Dublin**

Co-Founder/Chief Scientific Officer, OncoMark Ltd.



Cancer Biology & Therapeutics Laboratory



www.cbtlab.ie

SFI Strategic Research Cluster

Molecular Therapeutics for Cancer



Industry partners

Amgen, GSK, Pfizer, Merck, Roche, Novartis
AntiCancer Inc, Caliper, Erigal

5.6 million euro/5 yrs
(plus overhead)

Monitoring response to therapy



Lead PI: Prof. John Crown

Resistance to targeted therapies

Co-PIs:

Prof. Joe Duffy
Prof. William Gallagher
Prof. William Watson
Dr. Judith Harmey

Collaboration between DCU,
UCD/St. Vincent's Hospital, RCSI,
TCD/St. James's Hospital

EU FP7 Research Programmes



AngioTox

Toxicity Biomarkers

ANGIOPREDICT



TARGETMelanoma



**Prognostic &
Predictive
Biomarkers**

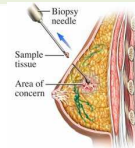
Digital Pathology

Tissue

RATHER
Rational Therapy for Breast Cancer



Tissue sample collection



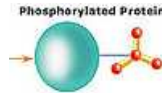
150 TNBCs
150 ILBCs
Representative cell lines

Tissue

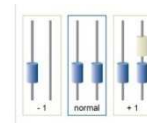
Discovery



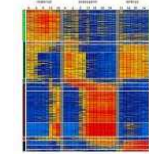
Mutation analysis
Sequencing



Kinase activation
RPPA assays



Copy number analysis
SNP arrays



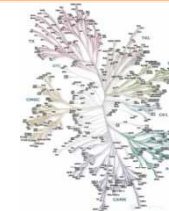
Transcriptomics
Expression arrays

Discovery

Data
Analysis

6 million euro
European programme

8 partners (2 SMEs, 6
academic groups)

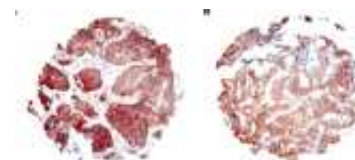
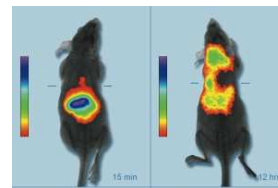


Bioinformatics/Cross 'omic' analysis

Project
Management:
OncoMark

Data
Analysis

Biomarkers
Drug Targets



Target / biomarker validation

Biomarkers
Drug Targets

Impact



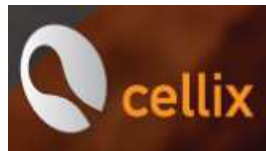
Validated companion diagnostic



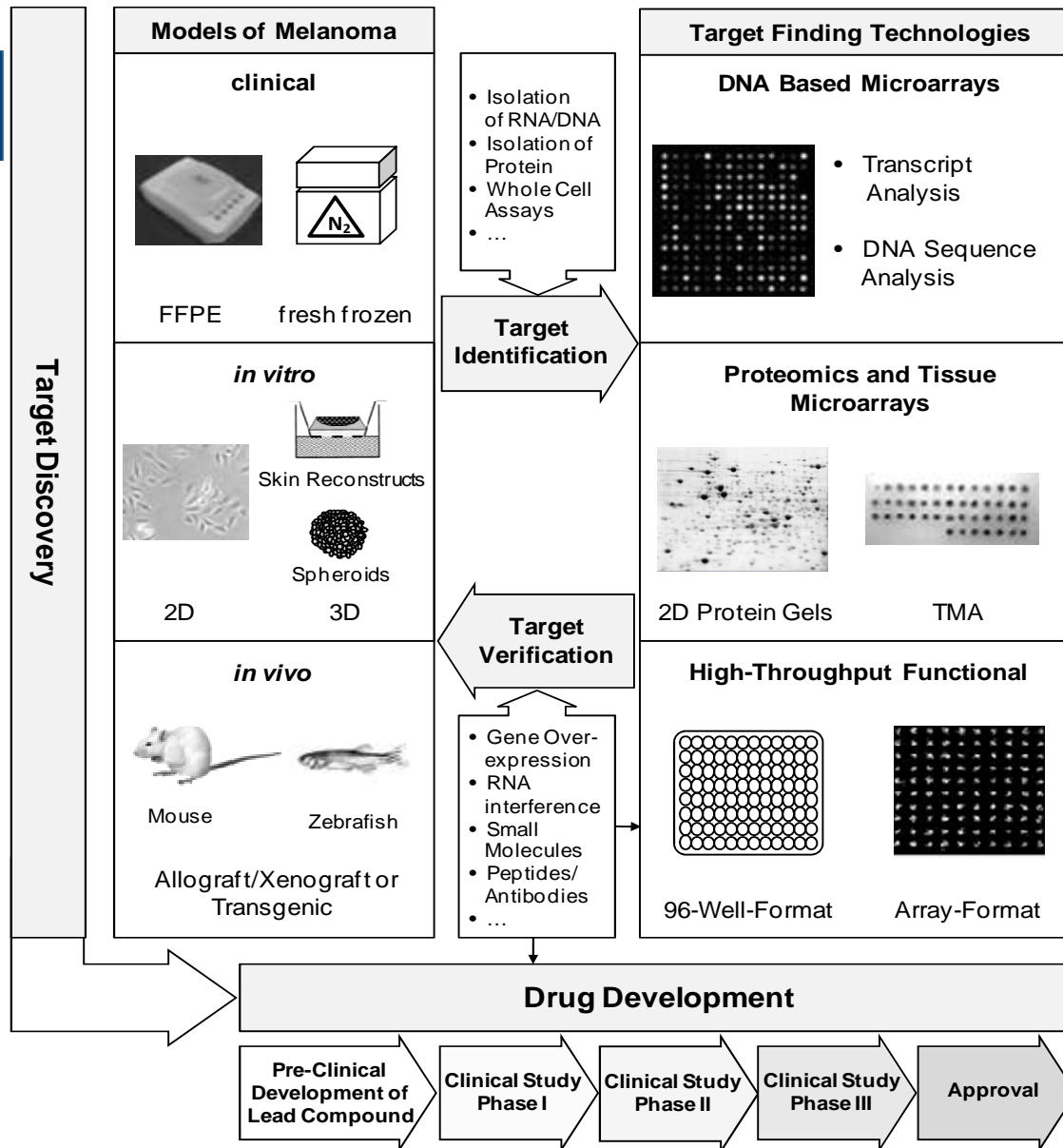
Clinical trial in stratified patient population

Impact

TARGETMelanoma



1.7 million euro
European
programme



7 partners
(2 SMEs, 5 academic
groups)



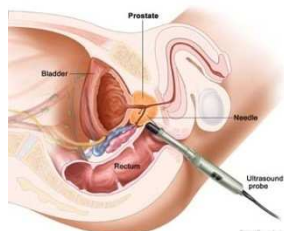
FAST-PATH: Fast-Tracking Pathology



Discrimination of Morphological Subtypes

2 million euro European programme

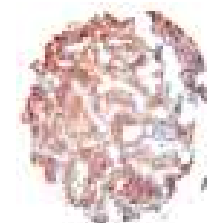
6 partners (2 SMEs, 4 academic groups)



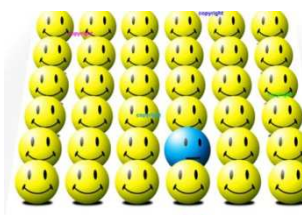
Prostate Tissue



Solutions for High-Throughput Tissue Analysis



Search Engine for Histopathology Imagery



Quantitation of Prognostic Biomarkers



About OncoMark

NovaUCD & Conway Institute, Dublin, Ireland



- * **Spin-out Company**
- * **15 Full-time Staff**
- * **€3.9M EU FP7 R&D - 6 Projects**
- * **Technology: Molecular Diagnostics**
- * **Market: Cancer Drug Development**

www.oncomark.com

Contribution to BASTION Project

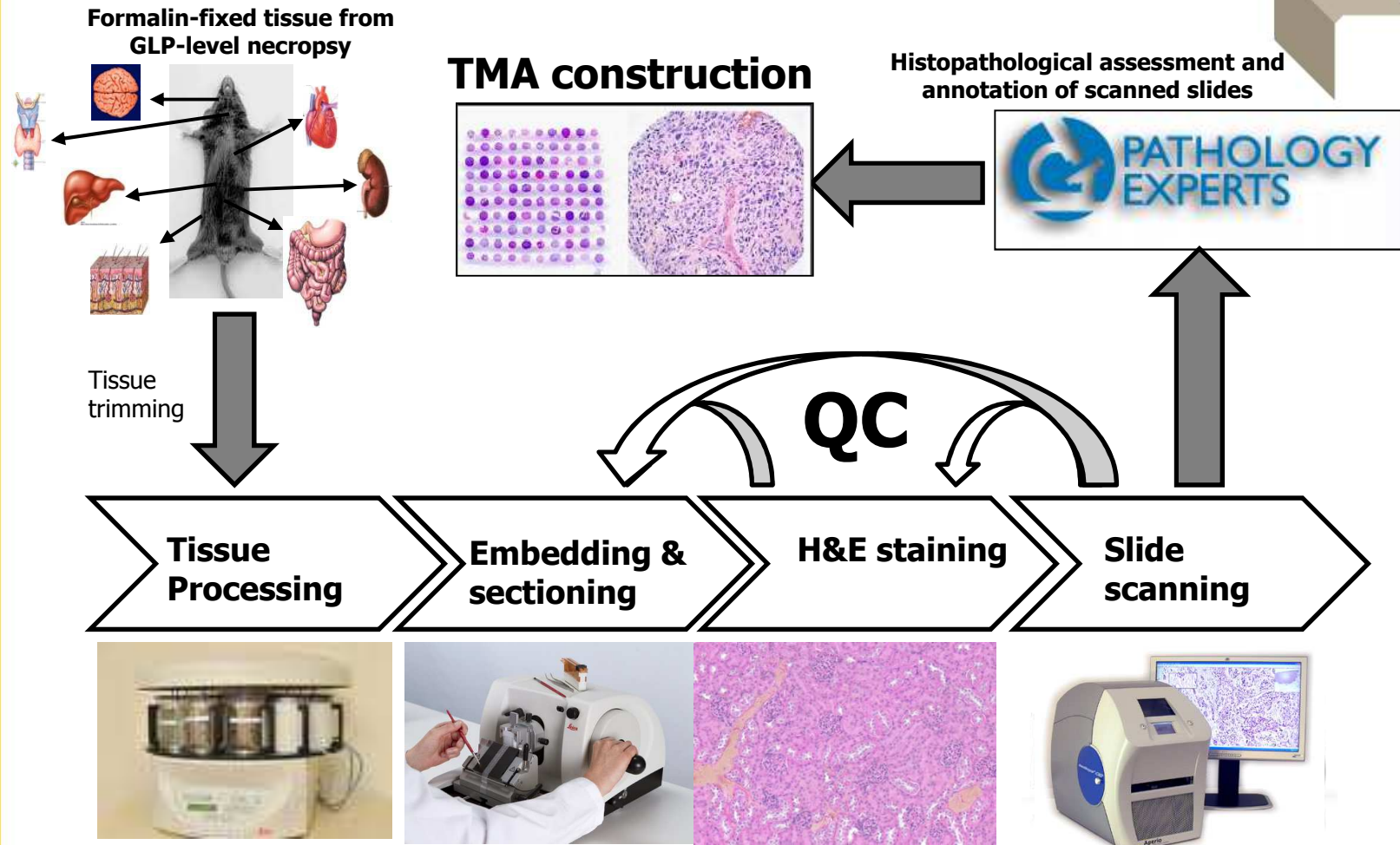
Provide training and expertise in:

- *In vivo* molecular imaging using optical (IVIS) and PET/CT systems
- Advanced technologies associated with transcriptomics, bioinformatics, and proteomics
- Preclinical drug screening/high-content analysis
- Digital slide scanning and automated image analysis

Neues aus dem Marketing-Management ...



AngioTox Workflow



1.7 million euro European
Programme

7 partners (3 academic, 2 SMEs,
2 large pharma)

ANGIOPREDICT

