Non-invasive Approaches to Precision and Personalized Dermatology
Precision Biomarker Platform Technology

DermTech’s platform technology is bringing precision to the practice of dermatology through non-invasive assessment of the skin. Our proprietary technology can be used for biomarker analysis of RNA, DNA, protein, and microbiome.

The Simplicity of the Smart Sticker™

Non-invasive Sample Collection
Eliminates need for surgical biopsy and collects 1.5mg of stratum corneum tissue capturing signatures from epidermal keratinocytes, T cells, dendritic cells, melanocytes etc.

Large Collection Area
Provides 19mm collection area for Lesional and Non-lesional samples.

Simple Sample Transport
Sample doesn’t require fixation or refrigeration and preserves genomic and proteomic material from the skin for up to 10 days at room temperature & greater than a year when stored at -80C.

Precision Biomarker Analysis
Includes Microbiome, Proteomic, Lipidomic, NGS, and targeted DNA/RNA analysis.
As we evolve the path into precision and personalized dermatology, the Smart Sticker™ offers the opportunity to non-invasively identify biomarkers of disease and subgroups of disease, stratify patients based on genomic and proteomic profiles, enrich for responders in a population, and predict and track responses to therapeutic intervention.

We offer expert services including:

- Biomarker Identification
- New Target Identification
- Patient Segmentation and Stratification
- Bioinformatics Support

DermTech’s validated platform technology is appropriate for indications where skin is the target or a surrogate target organ and is being used to support drug discovery and development programs focused on cancers and inflammatory diseases in clinical research studies.

Indications Studied Include:

- Actinictz Keratoses
- Alopecia Areata
- Atopic Dermatitis
- Basal Cell Carcinoma
- Follicular, Mantle Cell and B-Cell Lymphoma
- Graft-Versus-Host Disease
- Hidradenitis Suppurativa
- Lichen Planus
- Lupus
- Melanoma
- Merkel Cell Carcinoma
- Microbial Disbyosis
- Netherton’s Syndrome
- Palmoplantar Pustulosis
- Pemphigus
- Psoriasis
- Skin Aging
- Skin-related Immunotoxicities
- Squamous Cell Carcinoma
- T-cell Lymphoma
- Vitiligo
Meet our Experts

**Jelena Ostojić, PhD,**
*Principal Scientist, Biomarker Discovery*
Biologist with more than 10 years of experience in the fields of genomics, signaling and metabolism. Dr. Ostojic holds Masters degrees in Genetics and Functional Genomics, as well as a PhD in Cell Biology.

**Elisa Lanni, MS,**
*Senior Project Manager*
Highly experienced project manager with specialization in clinical operations and logistics. Over 10 years of experience managing industry-sponsored clinical trials in Biotech, CRO, and academic settings.

**John Whitaker, PhD,**
*Senior Director of Bioinformatics*
An experienced bioinformatician with extensive experience in applying genomics to biomedical research questions. Dr. Whitaker has published in top journals, including Nature, Cell, Nature Methods and PNAS.