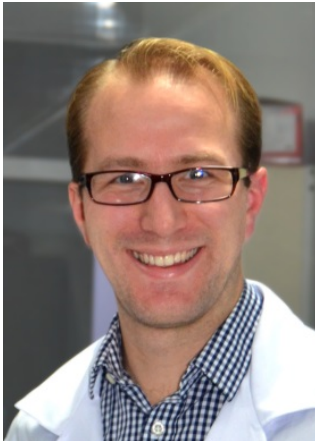


Cardiff

Charlottesville

Bangalore



**Dr James Hindley, Executive
Director, Indoor Biotechnologies Ltd**

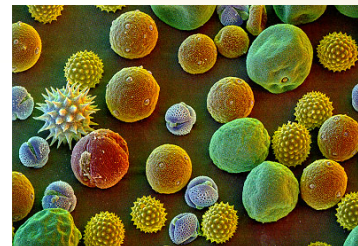
**Natural Allergens for Allergy
Diagnostics and Therapeutics**



Allergy and Allergens

Allergies

- Primarily Western World:
 - Europe, USA
- 30-35% of population
- Common triggers / allergens:
 - Pollen, Food, Dust, Drugs
- Symptoms Range
 - Rhinitis → Anaphylaxis



Allergen Identification and Purification

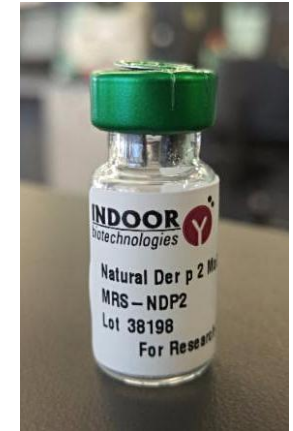
Protein Identification



Multi-step chromatography



Lyophilisation



Gel Electrophoresis



ELISA Immunoassay



Mass Spectrometry

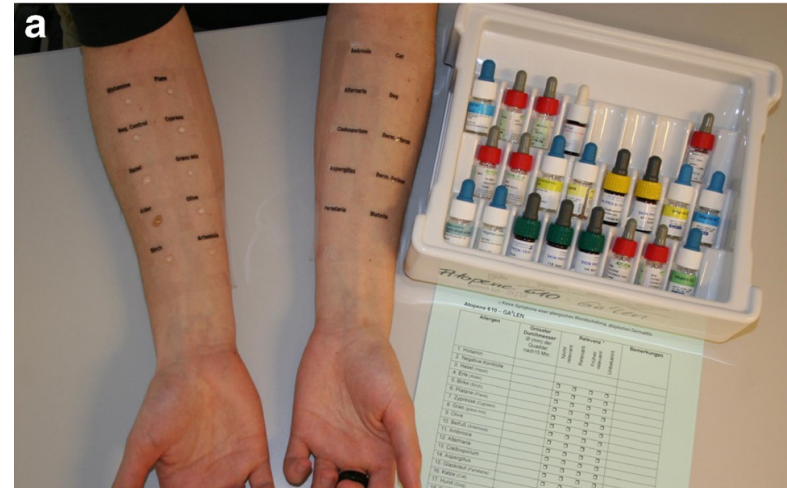
Isoform	Amount
Der p 2.0101	37%
Der p 2.0110/1015	43%
Der p 2.0103/0104	17%
Der p 2.0114	3%

Quality Management System
ISO 9001:2008 Certified



Uses of Purified Natural Allergens

- Standardisation of Extracts
 - Skin prick tests
 - Immunotherapy products
- Cellular & Molecular Research
- In vitro Molecular Diagnostics





Thanks for your attention.

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