



Prevention of Breast Cancers

The 2014 Annual meeting of the European Cancer Prevention Organization
November 21 & 22, 2014, **Radisson Blu**, Genk-Hasselt, Belgium

Program: www.ecpo.org

A warm welcome to all participants,
speakers and partners !



Official Journal of the
European Cancer Prevention Organization (ECPO)
www.ecpo.org

Breast Cancer (S)

Jaak Ph. Janssens

ECP

THE EVIDENCE

Why?

Possible?

When?

How?

- Breast cancer incidence has doubled during the last 40 years and is a global disease
- Like all frequent cancers, breast cancer is related to lifestyle - ***preventable disease***
- Origin of breast cancer relates to puberty and before the disease appears
- **Hormonal exposure** relates to breast cancer and **lifestyle factors** influence plasma hormones

?

- *Different molecular types of breast cancer have different origins ?*
- *Evidence of genetic signatures related to increased risk ?*



Breast cancer (S)

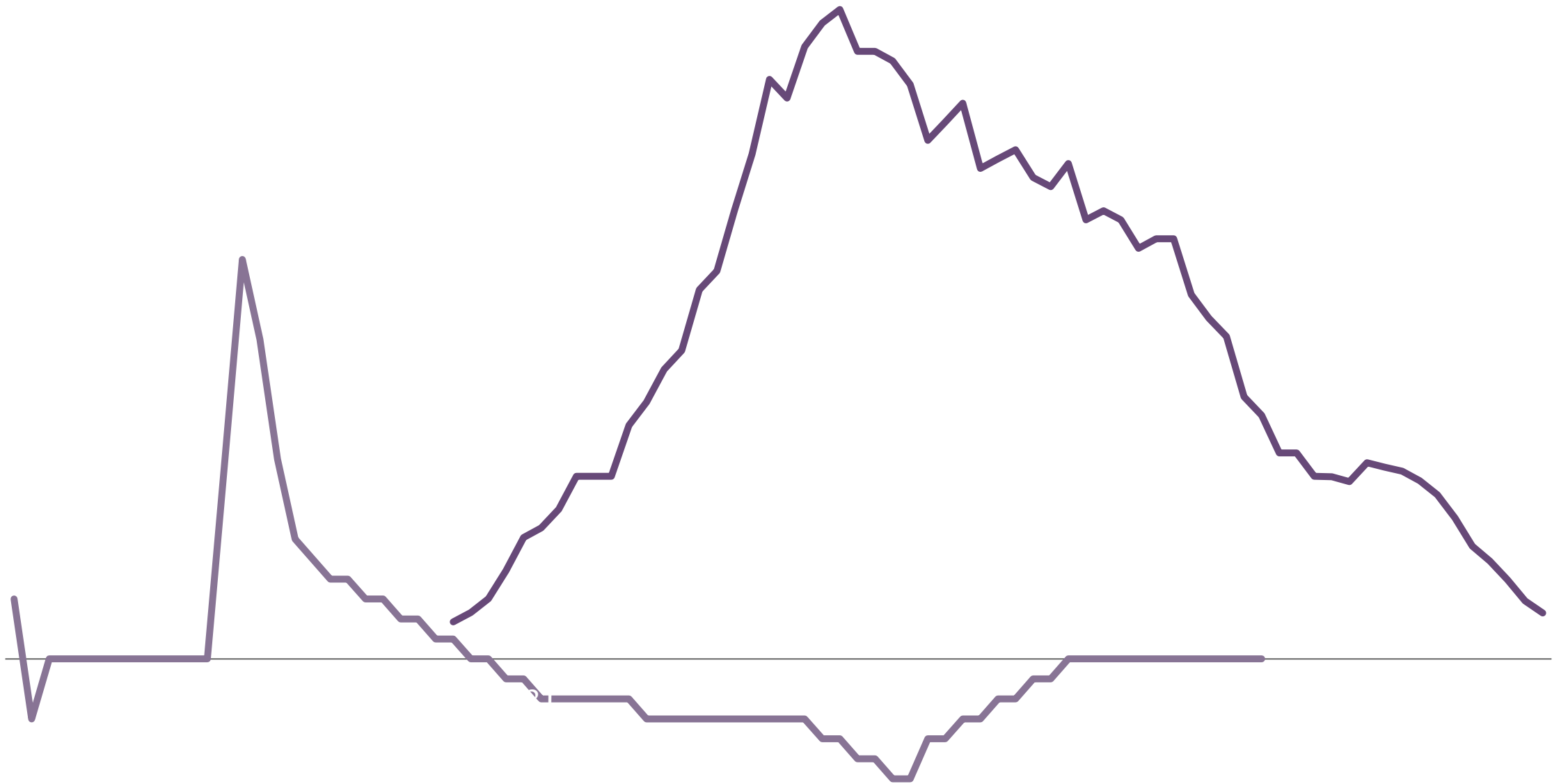
Preventable disease (during childhood)

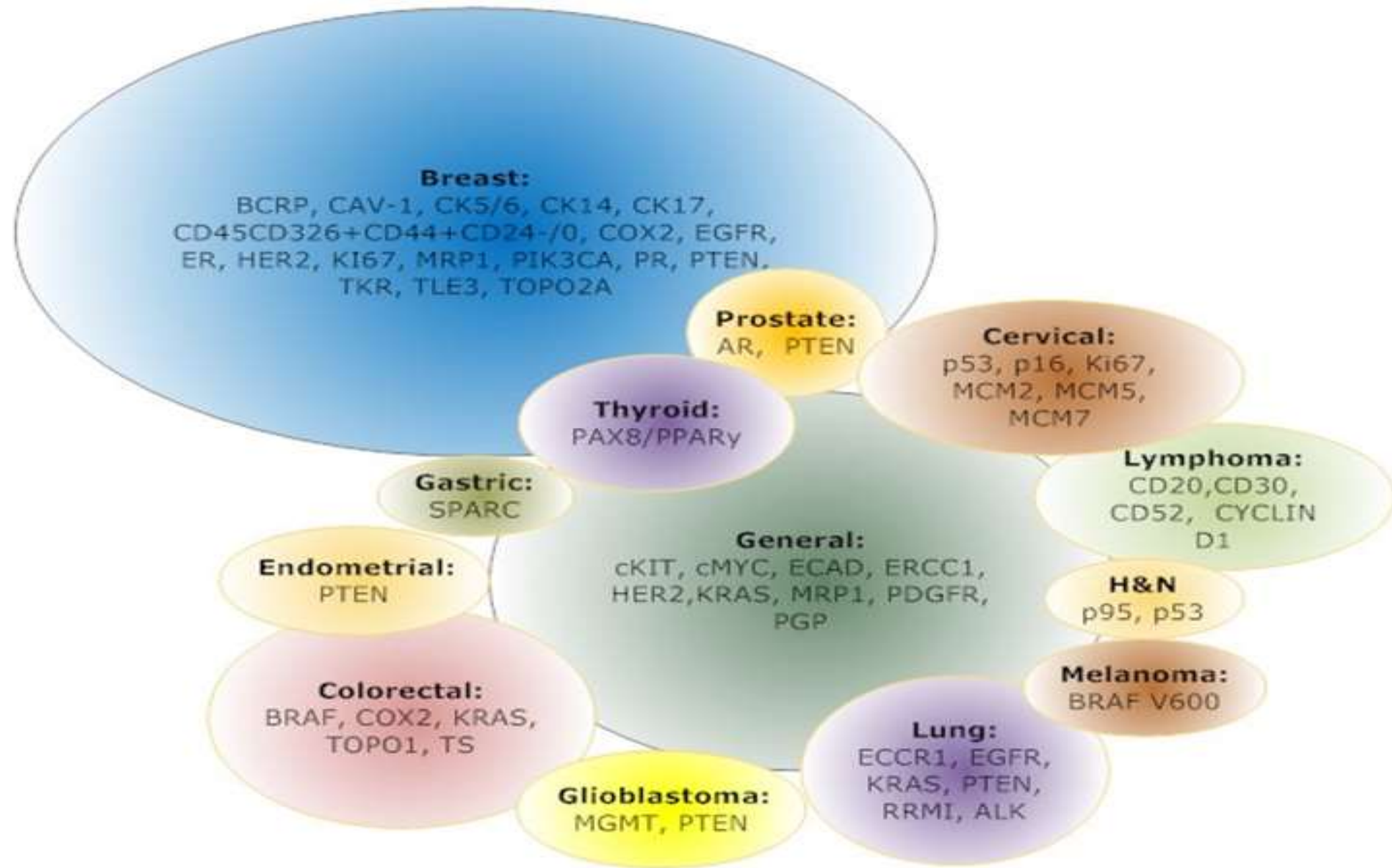
Various molecular types (of breast cancer)

Childhood gene imprints or signatures

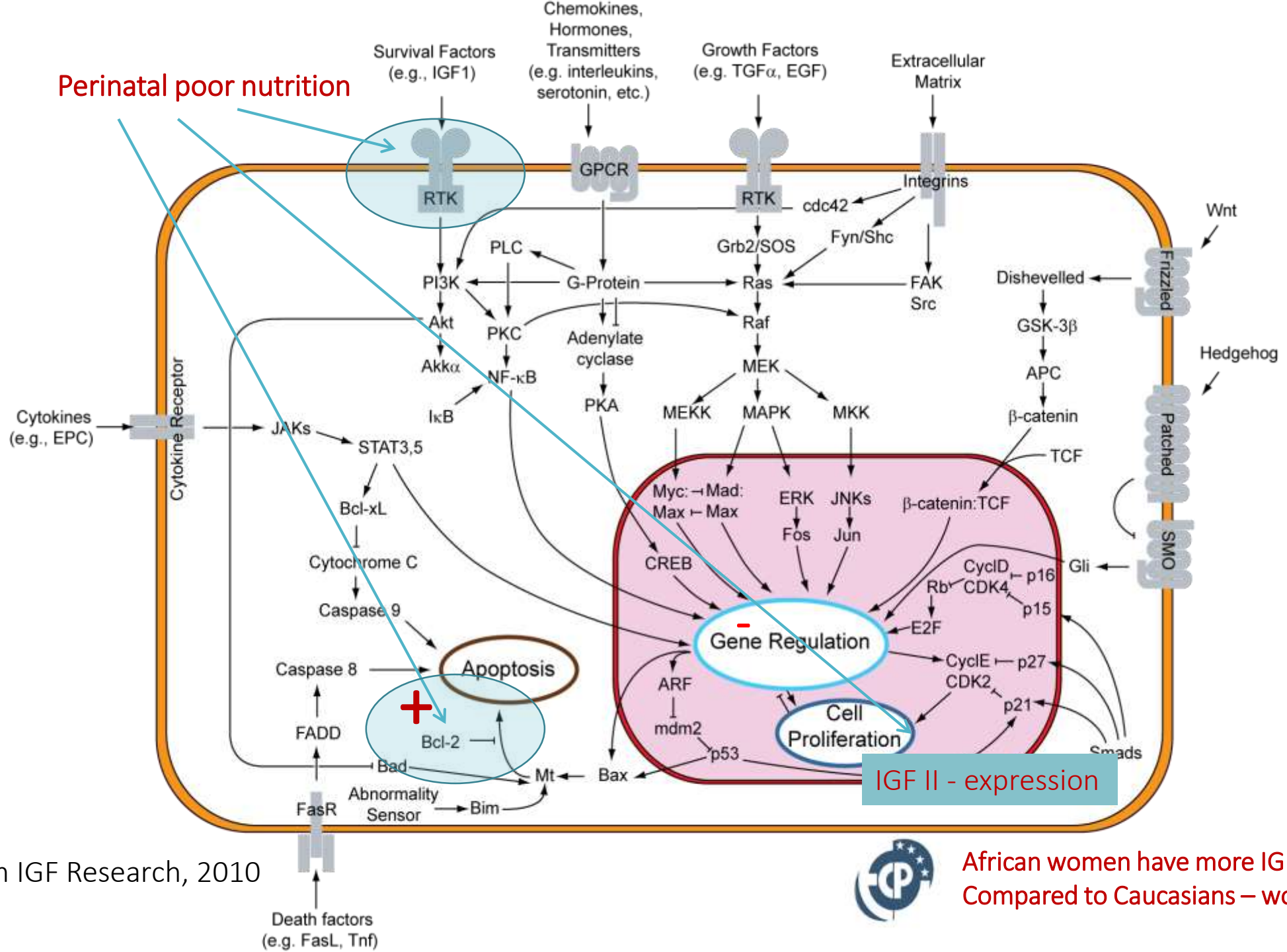


Breast Cancer: a lifetime disease





Clinical useful molecular biology tests in routine oncology



Kalla Singh
Growth Horm IGF Research, 2010



African women have more IGFII expression
Compared to Caucasians – worse prognosis

Breast cancer (S)

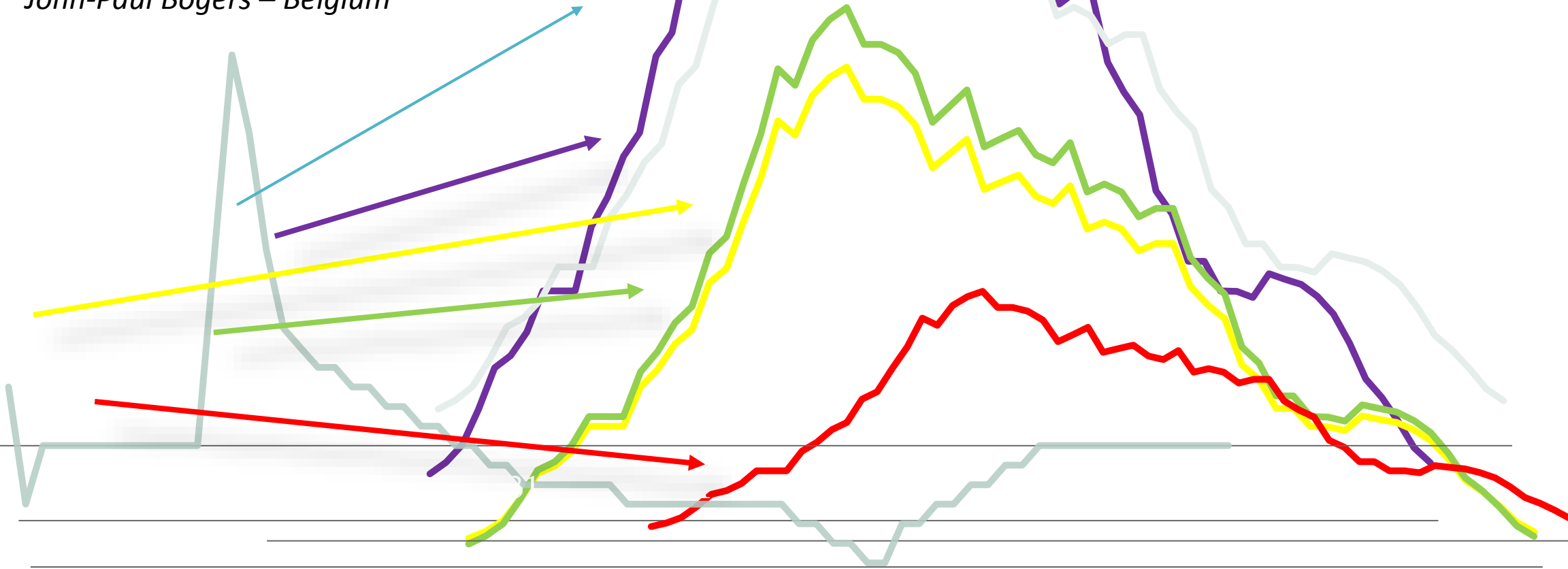
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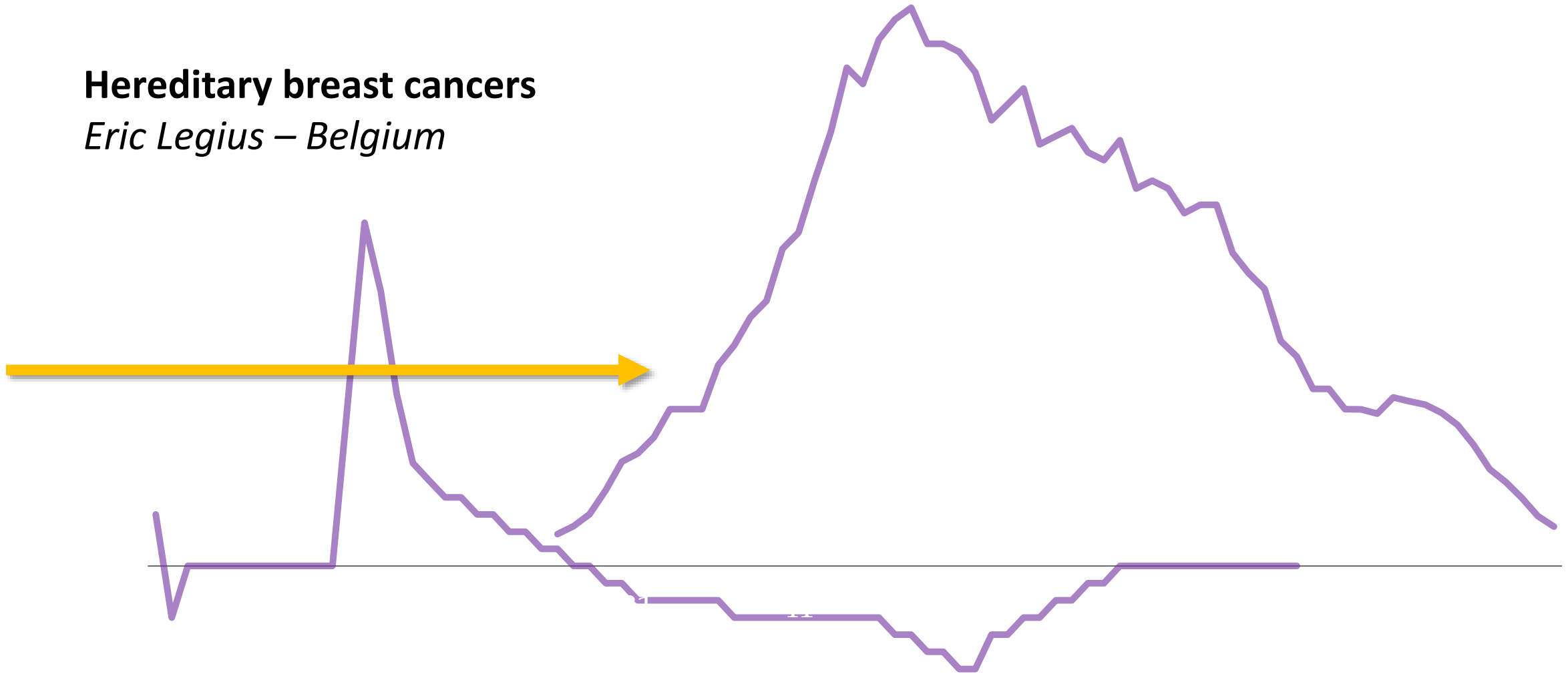


Molecular types of breast cancers
John-Paul Bogers – Belgium



Hereditary breast cancers

Eric Legius – Belgium



Genistein in the diet as a preventive agent in breast cancer

Coral A. Lamartiniere – USA

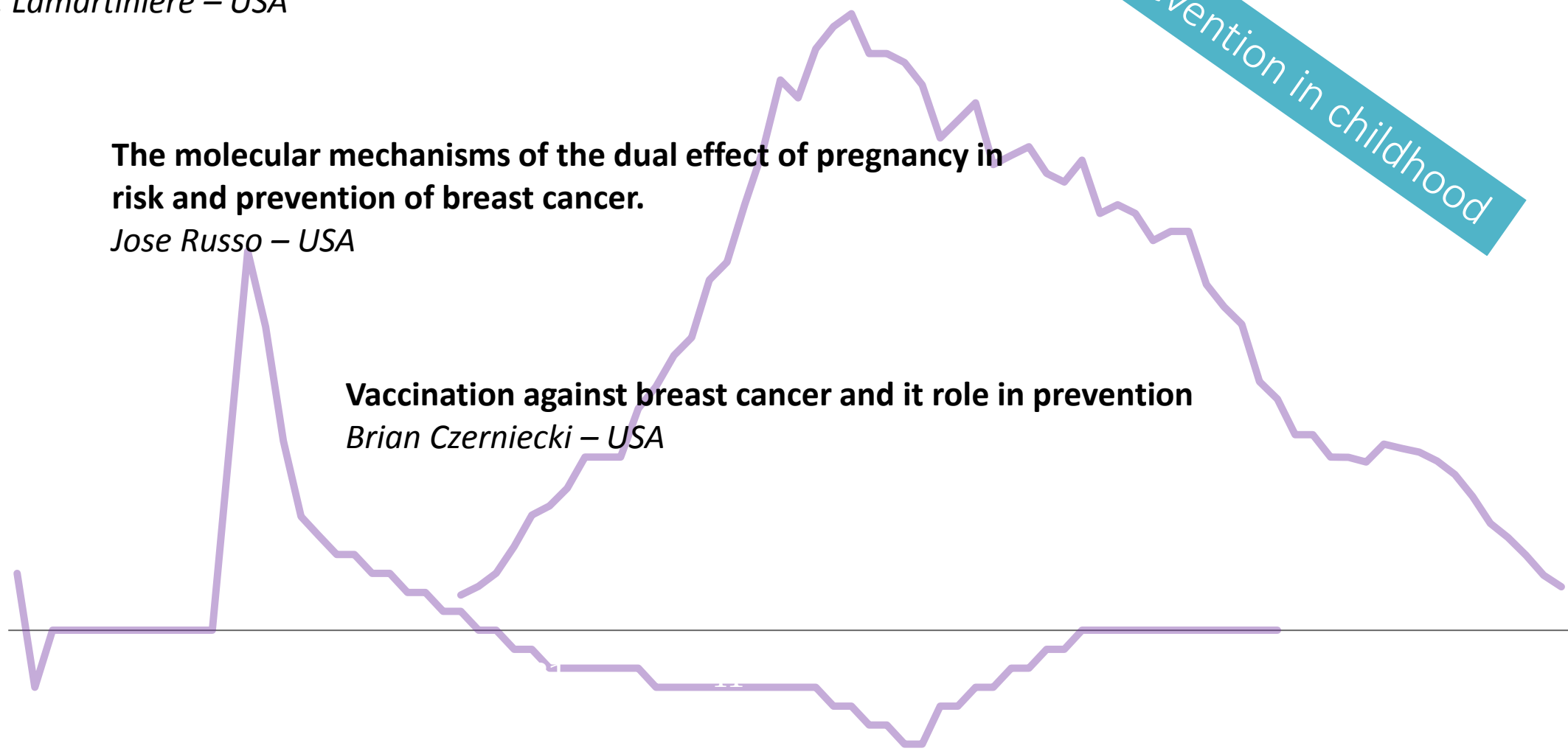
The molecular mechanisms of the dual effect of pregnancy in risk and prevention of breast cancer.

Jose Russo – USA

Vaccination against breast cancer and its role in prevention

Brian Czerniecki – USA

Prevention in childhood



Overweight and diabetes

Carlo La Vecchia – Italy

SERMs and aromatase inhibitors for cancer prevention

Jack Cuzick – UK

Breast cancer chemoprevention, beyond hormonal manipulations

Gad Rennert – Israel

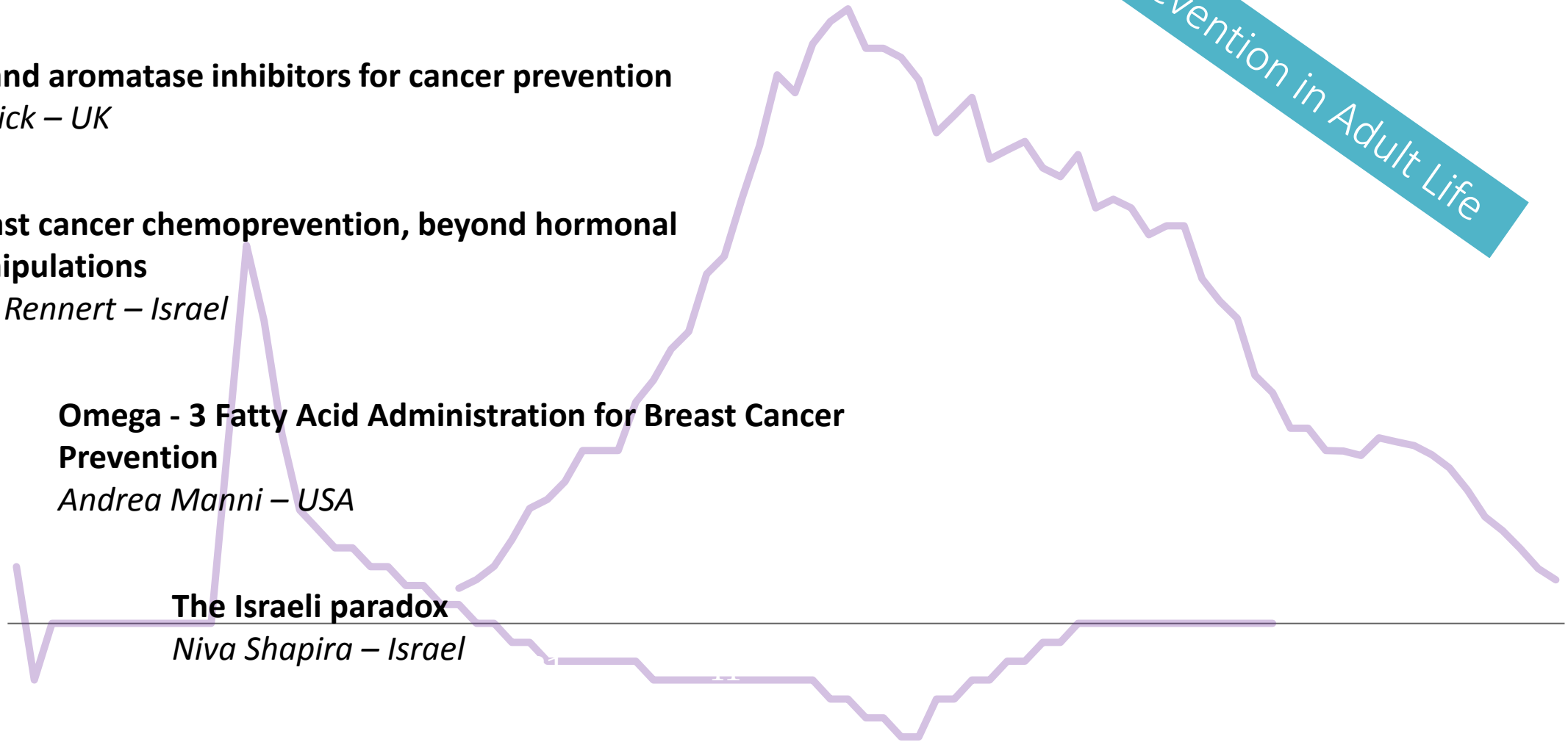
Omega - 3 Fatty Acid Administration for Breast Cancer Prevention

Andrea Manni – USA

The Israeli paradox

Niva Shapira – Israel

Prevention in Adult Life



Breast cancer screening and early detection: the European Commission Initiative on Breast Cancer - ECIBC

Donata LERDA – European Commission

Premalignant lesions imaging

Luc Rotenberg – France

Knowledge and practice of breast self-exam among female students at Makerere University: a probable tool for early detection to prevent breast cancer in Uganda

Vian Namanya – Uganda

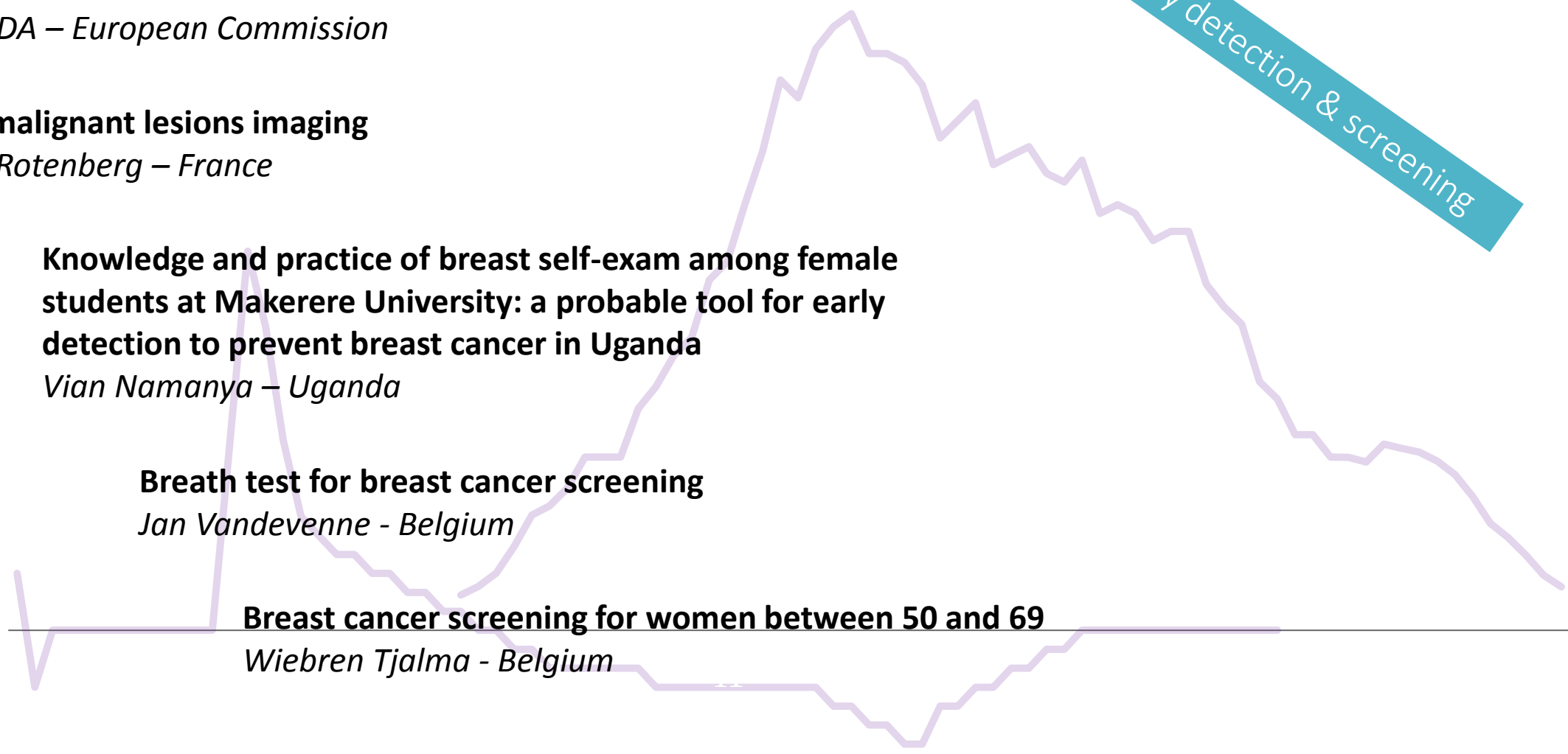
Breath test for breast cancer screening

Jan Vandevenne - Belgium

Breast cancer screening for women between 50 and 69

Wiebren Tjalma - Belgium

Early detection & screening



Surgery in breast cancer prevention

Paul Guelinckx - Belgium

Risk reducing mastectomy and breast reconstruction

Katrin Seidenstücker – Belgium

Breast imaging diagnostic – update and future

Rudiger Schulz-Wendtland – Germany

Prognostic & predictive impact of commercially available genomic signatures – an overview of the European landscape

Ulrike Nitz - Germany

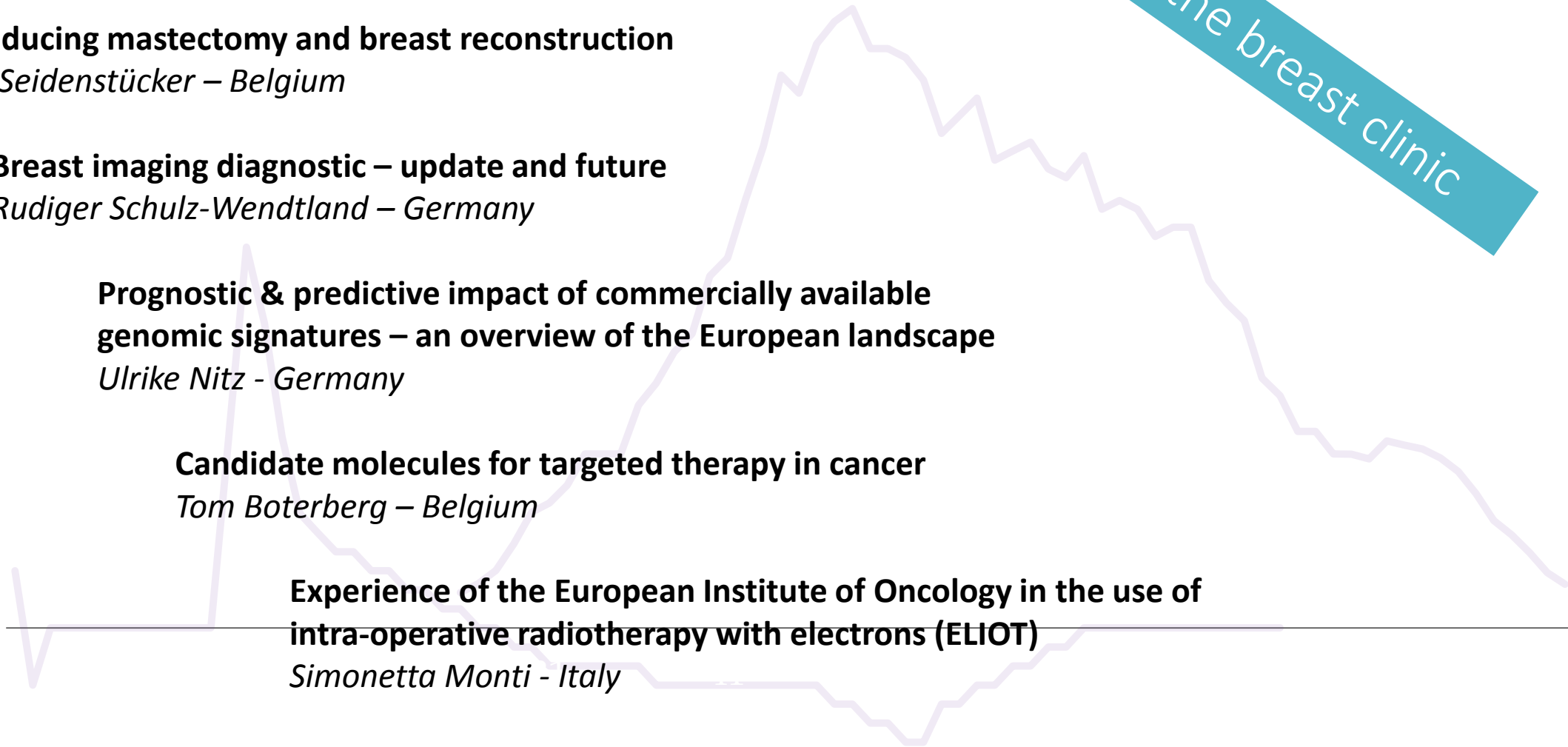
Candidate molecules for targeted therapy in cancer

Tom Boterberg – Belgium

Experience of the European Institute of Oncology in the use of intra-operative radiotherapy with electrons (ELIOT)

Simonetta Monti - Italy

In the breast clinic





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