



# Oncode Institute

*Outsmarting Cancer, Impacting Lives*

*“More knowledge about basic cancer biology is imperative before engineering can truly take over”*

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Prof. William Kaelin (*Dana Farber Cancer Institute*) in The Times Higher Education (2018)

## Oncode – a virtual institute

**Supported by a public-private partnership, with the aim to accelerate:**

- basic science discoveries in the cancer research
- translation of those discoveries to societal benefit

**by facilitating**

- basic cancer research & technology development
- collaborations between researchers and clinicians
- access to expertise and technologies
- swift knowledge utilization



# Nurturing Scientific Excellence

- Mission driven with one unifying strategy
- 43 labs collaboration within 6 research themes
- Base funding of €150k - €250k per year
- Dedicated funding for equipment, clinical proof-of-concept, technology access and training
- Selection and performance metrics based on science, collaboration and valorization



**Developing**  
novel technologies



**Understanding**  
tumor growth & resistance



**Analysing**  
network perturbations in tumors  
& tumor-host interactions



**Researching**  
causes & consequences  
of genetic instability



**Identifying**  
critical drug combinations  
& biomarkers



**Mobilizing**  
immune defence

## A collaborating community



NKI

AMC

LUMC

UMC Utrecht

Princess Maxima Center

Hubrecht Institute

Radboud UMC

Radboud University

Erasmus MC

Abroad



**560**  
united scientists

## A collaborating community

**New**

VUmc

Leiden University

NKI

AMC

LUMC

UMC Utrecht

Princess Maxima Center

Hubrecht Institute

Radboud UMC

Radboud University

Erasmus MC

Abroad



**680**

united scientists



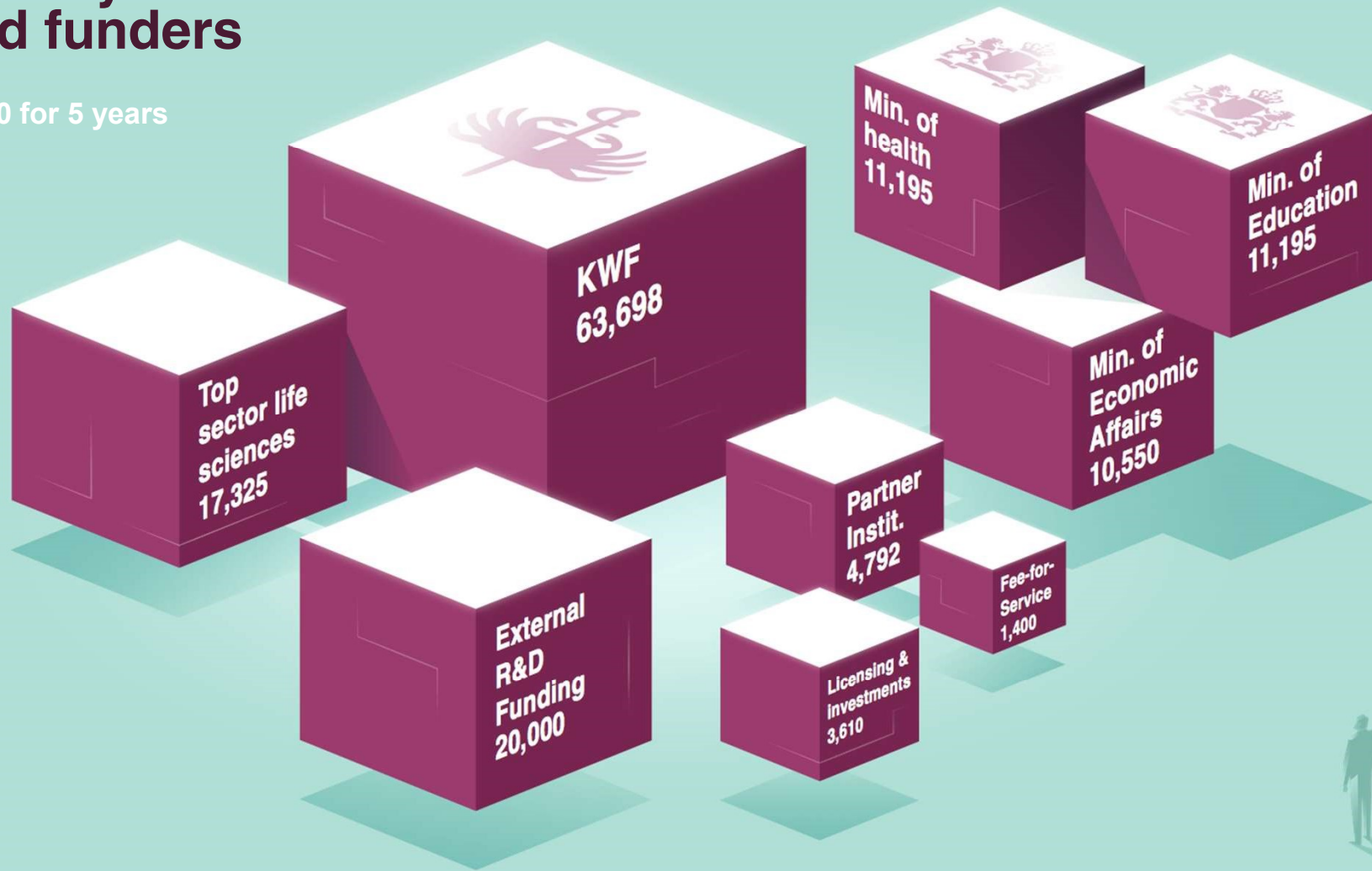
## Stimulating Clinical Collaborations

- **Clinical Advisory Board**
- **Clinical Proof-of-Concept grants**
- **Health Technology Assessment Pilots**
- **Workshops in Early Stage Drug Development**
- **Clinician/Oncode Investigator Workshops**



# Supported by dedicated funders

in euro's x 1,000 for 5 years

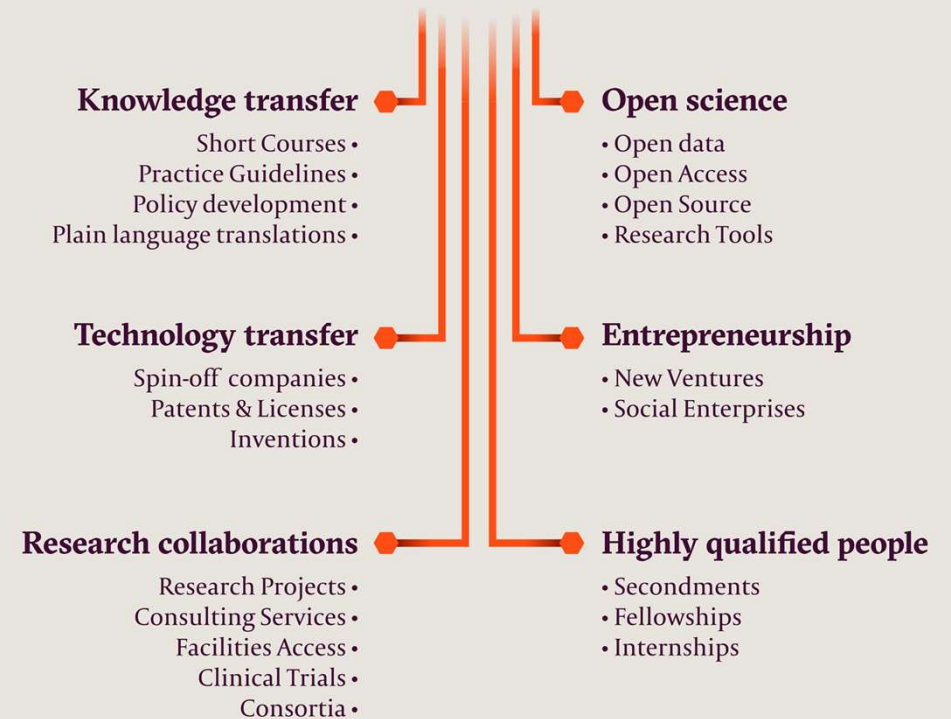




## Valorization Approach

<b>Integrate</b>	<i>becoming a valued member of the research groups</i>
<b>Activate</b>	<i>identifying and activating the valorization channels appropriate for the research</i>
<b>Accelerate</b>	<i>moving research results along valorization channels quickly and efficiently</i>

## Oncode's six channels of valorization



# Valorization Support

## Valorization Team

- Business development
- Intellectual Property
- Entrepreneur-in-residence
- Clinician-in-residence

## Consultants

- Drug development
- Regulatory approval
- Health technology assessment

## Dedicated Networks

- Pharma & biotech
- Investors
- Clinicians & patients
- Service providers

## Training & coaching

- Intellectual property
- Drug development
- Entrepreneurship

## Targeted Funds

- Intellectual property
- Technology development
- Clinical POC
- Bridge investments

## Strategic Partners

- Lygature
- European Lead Factory
- Hartwig Foundation
- Fair Medicines

## Unique Aspects

- ✓ **Oncology sole focus**
- ✓ **Proactive interaction with researchers**
- ✓ **Six valorization channels**
- ✓ **Nine institutions – one approach**

# Female Junior Investigators Programme

## Open Call

- within 8 years of PhD
- €150k per year until 2022
- appointment at Dutch research institution
- 56 applicants

## Results

- seven appointments
- two new Institutions
- additional expertise
  - ✓ Medicinal chemistry
  - ✓ Imaging
  - ✓ MD/PhD



## Single Cell Discoveries

- Service company for single cell sequencing
- Spin out from the Van Oudenaarden lab
- Company launched this summer
- Kick-off celebration: 11 September
- Growing revenues





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# Angus Livingstone

## *Valorization Director*

### Principal funder



### Funders



Ministerie van Onderwijs, Cultuur en  
Wetenschap



Ministerie van Economische Zaken



Ministerie van Volksgezondheid,  
Welzijn en Sport

**Health~Holland**  
SHARED CHALLENGES, SMART SOLUTIONS