

Applied Biomedical Research with a Primary Societal Goal 12 October 2016

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#### Overview

- Focus of the TBM programme (Applied Biomedical Research with a Primary Societal Goal)
- Impact analysis
- Future directions



# Focus of the TBM

programme



#### Focus of the TBM programme





#### € 13.8 M

#### fwo

#### Focus of the TBM programme

Key characteristics



## MAKE A DIFFERENCE

#### The Long Road to a **New Medicine** New Medicine **Clinical Data** Analysis **Full Development** FDA Studies in 100-300 Registration Patients (Phase II) **Medicine Tested in** 3-10,000 Patients (Phase III) Extensive Safety Studies Studies in Healthy Volunteers (Phase roject Tear Synthesis Exploratory of Compounds Discovery Development Idea 0% **INTEREST!**



#### Focus of the TBM programme

- Project budget: € 250,000 € 1,000,000 (100% funded)
- Contract research



### Funded projects (examples)





# Impact analysis (2006-2013)



- 41 months
- 50% single center
- 33 organizations
- limited international participation
  - co-funding or EORTC projects







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70%



- 70% projects led to results
  - 90% applied in practice
  - 20% guideline
  - 16% new infrastructure
  - 14% preventive measure or policy report
  - 12% new database
  - 8% medical curriculum



#### Impact analysis: asthma

- Severe asthma (prof. Brusselle, Ugent)
  - Azythromicine
  - ↑ QoL
  - ↓ healthcare costs
  - ↓ absenteeism/unemployment
- European Respiratory Society: new guidelines







- Societal impact (long term)
  - ↑ patient health
  - ↑ effectiveness

  - ↑ QoL

  - ↓ healthcare costs

  - ↑ safety
  - ↑ diagnosis
  - ↓ duration hospitalization
  - ↑ life expectancy
  - ↓ hospitalized patients



#### Impact analysis: IVM

- In Vitro Maturation (prof. Smitz, VUBrussel)
  - Alternative for IVF
  - Hormone treatment
  - OHSS (life threatening)
  - Expensive
- IVM
  - ↓ 20-30% cost
  - Almost no complications



#### Impact analysis: LOGIC-Insulin

- LOGIC-Insulin (prof. Van den Berghe, KULeuven)
  - Tight blood sugar control
  - Difficult in ICU
- LOGIC-Insulin algorithm
  - LOGIC-Insulin (web)software
  - RCT
  - ↓ 2,500 euro per patient



# Future directions

#### fwo

#### Possible future directions

- Effectiveness of medical devices (HTA)
- Comparative cost-efficiency (CER)
- Increased budget (1,500,000) for large multicenter trials

# More information about the FWO

#### www.fwo.be

Information about FWO's operation, regulations, scientific prizes and appeals... All publications are free to download

www.geschiedenisfwo.be Module about FWO's history

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