



# **SCIENCE AND RESEARCH MUST LEAD TO INNOVATIONS**

**Example of collaboration between  
Academy of Sciences, University and Private Sector**

**Innovation Biomedical Centre IEM IBC**

**Prof. MUDr Eva Syková, DrSc**



# **Institute of Experimental Medicine ASCR**

## ***Cell Research Capacity Building in the Czech Republic***

### **Our aims:**

- To create a technology platform for biomedicine
- To enable the commercialization of research results
- To support an interdisciplinary approach
- To support public – private partnerships

### **Current status -**



# ***Institute of Experimental Medicine ASCR***

## ***EU Centre of Excellence - MEDIPRA***



***MEDIPRA***





# CENTRE FOR CELL THERAPY AND TISSUE REPAIR

## Charles University – Motol Hospital, 2nd Medical faculty



# Centre for Cell Therapy and Tissue Repair



**MEDIPRA**



EU Centre of Excellence



## Three phases of capacity building:

### Phase I. – 2006 – 2007

- JPD3 project – Center for the promotion of Czech biomedical technology – Education project, 17 mil. CZK (about 600.000 EUR), support from the European social fund and Ministry of Labor and Social Affairs of the Czech Republic



### Phase II. – 2006 – 2008

- JPD 2 project – Building of IBC in the campus of biological institutes in Prague 4 - Krč

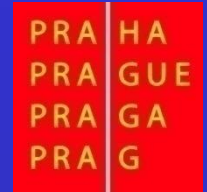
### Phase III. 2011 – 2014

- To build the commercial Business park in Vestec - Břežany (10 km from the Academy institutes in Krč, the area of BIOCEV). We shall submit a project financed from Prosperity 1B



# Project JPD2

## Innovation Biomedical Centre IEM



### Project aims:

1. To follow current worldwide trends in the development of biomedicine
2. To introduce modern therapies, especially those using cell therapy and tissue engineering, accessible for medical personnel and patients in the Czech Republic
3. To create a business incubator with specialized laboratories
4. To found, support and finance newly established biomedical spin-off companies, together with the business partners:

**STUDENT SCIENCE s.r.o.**

**CELLNOVA s.r.o.**

**TATAA m.d. s.r.o.**

**CHONDROS s.r.o.**

**MR SUPORT s.r.o.**

**CB Bio S.R.O.**

**BIOINOVA – transferová s.r.o. ÚEM**



# Inovation biomedical centre IEM ASCR

## Opening at 7th October 2008

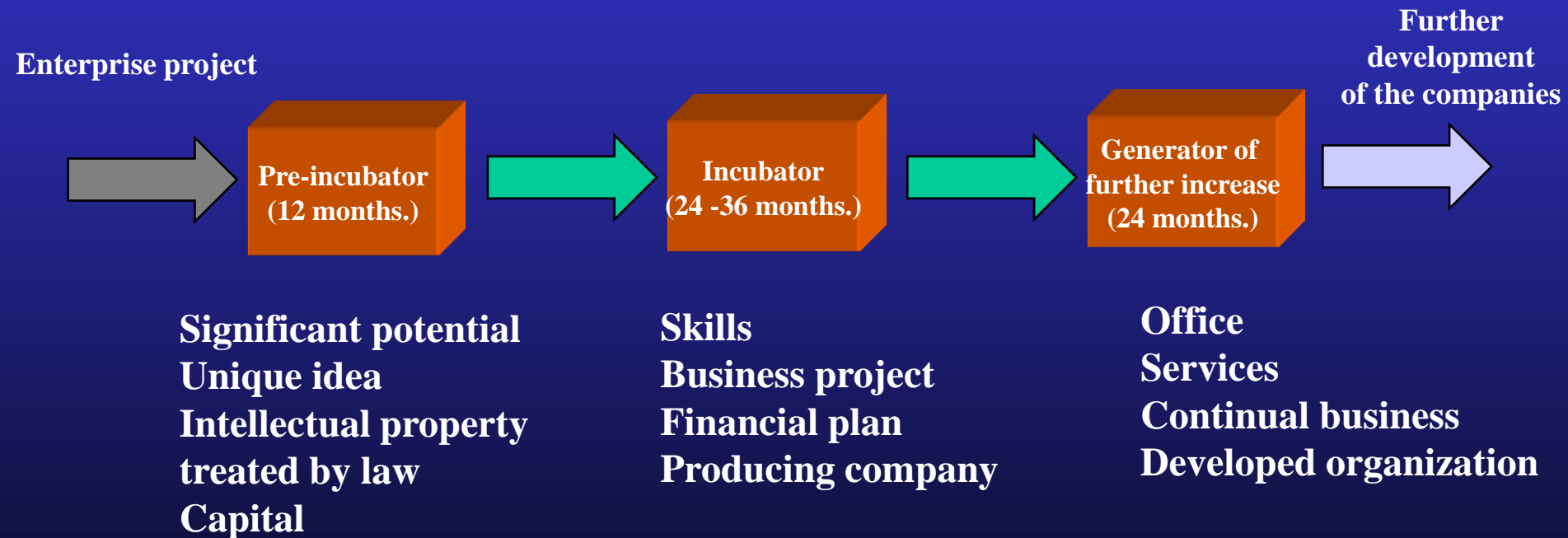




# **Innovation Biomedical Centre IEM AS CR**

**has 3 parts with a clear aim – Innovation process:**

- 1. Centre of Support for Competitiveness in Biomedicine**
- 2. Centre for Applied Research in Biomedicine**
- 3. Business Incubator**





## What is the incubation time in the incubator?

### General experience:

- It is a complex process
- Grab the idea that leads to a product
- Find suitable candidates and get them interested
- Find existing business people with the necessary knowledge
- Decrease the dependence on subsidies
- Increase the independence and sustainable growth
- Balance between investments and recovery of investments
- Ensure business relationships and mutual confidence
- Ensure a balance between activity and hyperactivity

# OBSTACLES

- Aversion of leading researchers, including grantors, towards the commercialization activities of scientists (professors should not run companies, it is abnormal that they profit)
- There are no rules, everything can be made impossible, creating an atmosphere of fear
- Disbelief in private companies, they want to deceive and rob us
- The problem of intellectual property (the participation of institutions is exaggerated)
- Negative attitude of the public to the business activities of scientists
- Interference in science is exaggerated, the laws are too strict
- Regulatory authorities are incompetent and too strict



***Thank you for your attention!***



***Děkuji všem za pozornost!***