

CENTRO DI RIFERIMENTO ONCOLOGICO

I.R.C.C.S. CRO Aviano



27 settembre 2018

NATIONAL CANCER INSTITUTE OF RESEARCH AND CARE

Clinical and experimental activity based on research lines:

1. Tumor genetics and biology (basic and translational research)
2. Cancer epidemiology and prevention
3. Hematologic neoplasias, translational and clinical research
4. Solid tumors: from clinical-pathological databases to P4 medicine
5. Infectious agents associated tumors

1) BIOMEDICAL RESEARCH

SCIENTIFIC PRODUCTION:

4.700 articles published since opening
IF >1000

GRANTS, last 3 years:

Horizon (3 projects)

Central Europe (patient education project)

Italy-Austria (multicenter study on melanoma)

NIH (sex hormone induced VTE)

Ministry of University & Research and Ministry of Health (7 projects)

Regional funds (14 projects)

Italian Association for Cancer Research (15 projects)

2) PATIENT CARE

378740 patient exams per year

8295 admissions/year (50% extra-regional) for medium-long term stays and day hospital treatment

All aspects of oncology. Particular emphasis on:
Onco-Hematology, Breast Surgery, Onco-Geriatrics,
Pharmacogenetics/genomics, Youth 14-19 year olds (dedicated
Radiation Therapy, Youth Area)

Regional Cancer Register and Regional Biobank (leader of)

Endoscopic
diagnosis by video
capsule

Radiopharmacy
for research
and diagnosis
(radiolabelled
isotopes)

Combined PET/CT,
image fusion for
accurate diagnosis,
staging, treatment
planning

Linacs for IMRT and
IORT, full brachytherapy,
innovative Hi-Art
Tomotherapy system

Proton Therapy as
new chance for
pediatric and
adolescent patients

Qualifying Medical Technologies for Diagnosis and Treatment (examples)

Expression
proteomics and
functional proteomics
to identify and
characterize proteins
in cancer with MALDI
technique

Facility of Flow
Cytometry and Cell
sorting

NGS for high
throughput
analysis of the
human genome

Virtual microscopy and
image analysis
/quantitative pathology
to characterize
morphological and
phenotypic features of
neoplastic tissues

3) CROSS-DISCIPLINARY IN EDUCATION

Model of community-based training and of interregional collaboration in medical education

150 clinical personnel (physicians, graduates), 485 technical and nursing staff, 80 support staff (clinical & research fellow trainees)

Graduate Education: collaborations with universities

CAMPUS: 37000 m² area providing: a) accommodation and logistics; b) spaces for teamwork, sharing of ideas, new projects



4) TECHNOLOGY TRANSFER AT CRO

Pre-competitive projects with industry (13 ROP-ERDF grants)

Growing portfolio of technology transfer opportunities

15 patented inventions from ideas of CRO researchers

6 licensing deals

4 spinoff companies

Collaborations: S/T Parks (Pordenone, etc), NETVAL, grant from MISE

2018-2020: T.T. as new indicator

Programmazione Triennale - Istituti di Ricovero e Cura a Carattere Scientifico (IRCCS)

1. CRITERI DI VALUTAZIONE DELLA RICERCA CORRENTE

Le attività di Ricerca Corrente degli Istituti, in coerenza con quanto riportato nel Programma Nazionale della Ricerca Sanitaria, saranno valutate e finanziate secondo le seguenti indicazioni.

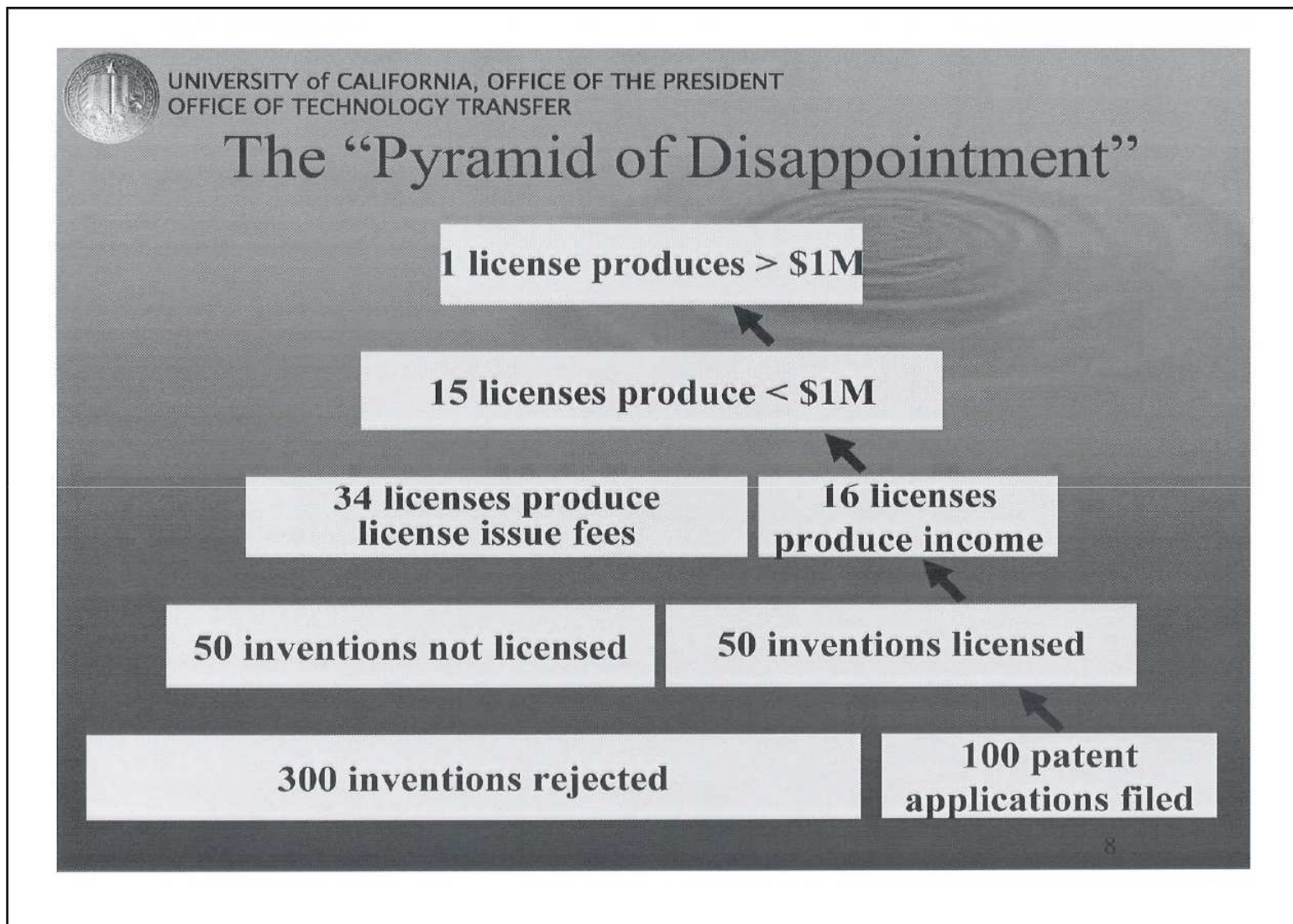
FINANZIAMENTO

Il finanziamento sarà ripartito secondo i seguenti criteri:

- A. PRODUZIONE SCIENTIFICA (55%);
- B. CAPACITA' DI ATTRARRE RISORSE (10%);
- C. ATTIVITA' ASSISTENZIALE (20%);
- D. CAPACITA' DI OPERARE IN RETE (10%);
- E. TRASFERIMENTO TECNOLOGICO (5%).



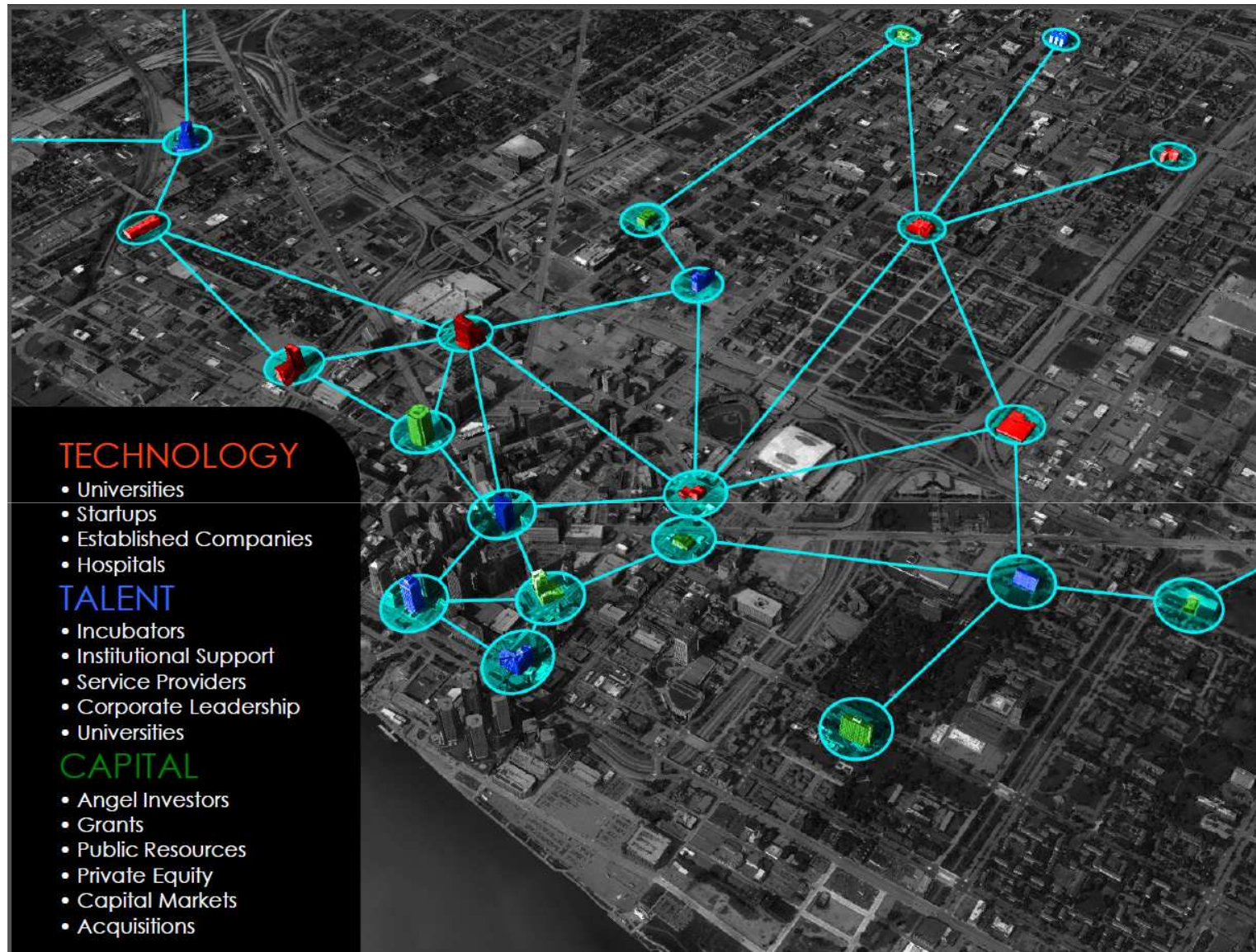
Lessons learned - 1



Gonzalo Barrera Hernandez

"IP protection and exploitation: facts and myths, opportunities and risks"
seminar @ SISSA, 2007

Lessons learned /2



Mark Coticchia, VP & CIO Henry Ford Health System
keynote speaker @ CRO MEETS INDUSTRY 2014
“*Creating innovation networks to grow bioindustry*”

THANK YOU FOR YOUR ATTENTION!

Technology Transfer Office

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