MEDICON VALLEY:

TRIPLE HELIX COLLABORATIONS
BEYOND BORDERS

Andrew Munk, PhD
Director, International Relations
Medicon Valley Alliance
Facts about Medicon Valley

- Population of approx. 3.7 million
- Approx. 125 biotech companies, 250 medical device companies (7 major) and 200 medtech companies
- Approx. 30,000 employees in the private life science sector
- Approx. 10,000 life sciences graduates in the private and public life science sector
- 17 universities, 5 of which supply life science research facilities
- Approx. 150,000 students, 45,000 of whom study life sciences, of which are universities and hospitals
Medicon Valley: Top in Europe

Danish biotech outperforms its European counterparts

Biotechnology August 15, 2007

Sweden: A Midnight Sun for Biotech

The nation's "Medicon Valley" is thriving thanks to venture capital, deals with pharma giants—and laws that let scientists own their research

“The biggest buzz is around Medicon Valley, which brings together 300 companies”

58 | NewScientist | 5 May 2007
THE HISTORY OF MEDICON VALLEY
(A Public & Private Partnership)
Collaborating Across Borders

- TWO NATIONS
- TWO SYSTEMS
- PRIVATE & PUBLIC
- YOUNG & MATURE
- BIOTECH & PHARMA
- CORE & PERIPHERAL
- RESEARCH & BUSINESS

The Øresund Bridge
MEDICON VALLEY ALLIANCE

- Offices in Copenhagen (Denmark) and Lund (Sweden)
- 17 Board members
- Chairman always Swedish
- Managing Director always Danish
- 270 Private and Public members
- 60% Danish: 40% from Sweden
Cluster development in two stages

1. Leverage Infrastructure
   - Triple Helix Collaboration

2. Globalizing
   - Cluster to cluster
THE KEY COMPONENTS FOR A SUCCESSFUL CLUSTER

All Components Present in Medicon Valley
Universities

Six universities which supply life science related educations

Technical University of Denmark

Approx. 150,000 students, 45,000 of whom study life science

Lund University

Copenhagen Business School

University of Copenhagen

Roskilde University

Malmö University
Big Pharma

Pharmaceutical R&D with an
5000 scientists

The presence of Novo Nordisk makes
Medicon Valley’s diabetes research
broad and deep

H. Lundbeck A/S

Universities
Research centres

Medicon Valley host more than 400 research groups with 1350 scientists, working within immunology, neuroscience, diabetes, cell biology and much more.
More than 150 companies within life science benefits from vast networking opportunities and business services at 5 incubators.
Science Parks

Three Science Parks in Medicon Valley host more than 100 R&D companies in Biotechnology.
Medicon Valley is one of Europe’s strongest life science clusters with:
- Approx. 100 biotech companies
- Approx. 100 medtech companies
- More than 350 international companies with affiliates in Medicon Valley

And many more ...
SMEs

Universities
Big Pharma
Research centres
Incubators
Science Parks
SMEs
MEDICON VALLEY ALLIANCE
(ORGANISING CAPACITY)

Medicon Valley Alliance

- High Class Universities
- Local Venture Funds
- Access to Talent
- Competitive Infrastructure
- Supportive Business Environment
- Good Quality of Life
- Big Companies
The cluster organisation is:

• The driver,
• The idea maker,
• The neutral platform,
• The organizer and
• The project leader
THE ORGANISING CAPACITY IN THE TRIPLE HELIX STRUCTURE

- Universities
- Hospitals
- Companies
- Collaborative Platforms
- Scientific Network Groups
- Money meets Biotech
- Lobbying
- Partner in European projects
- International branding
Collaborative Platforms

Translational Medicine Platforms

Collaborative platforms allowing clinical scientists (hospitals), pharmaceutical and biotechnology companies as well as the universities:
- Entire value chain is represented

Innovative Medicines Initiative

IMI will fund pan-European public-private partnerships in biomedical research. The objective of IMI is to speed up the discovery and development of better medicines for patients.

MVA organizes meetings between interested scientists from universities, hospitals and SMEs to form consortia.
MEDICON VALLEY BIOTECH PIPELINE (Excluding Pharma)

More products than all of France
Globalizing: Cluster to cluster
Medicon Valley:

Where the world meets for life science
Collaborations are not always easy…

You've left the hocus out of this one, and the pocus out of the other.
REACHING OUT
ATTRACTING TALENT
CREATING EXCELLENCE
Second Annual
Triple Helix Summit
February 2 – 5, 2008

Sheraton Waikiki Hotel
Honolulu, Hawaii