

What does an analytical chemist work with at AZ

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Ph. D Analytical Chemistry
Team Manager
Associate Professor
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Associate Director
Director
Senior Principal Scientist

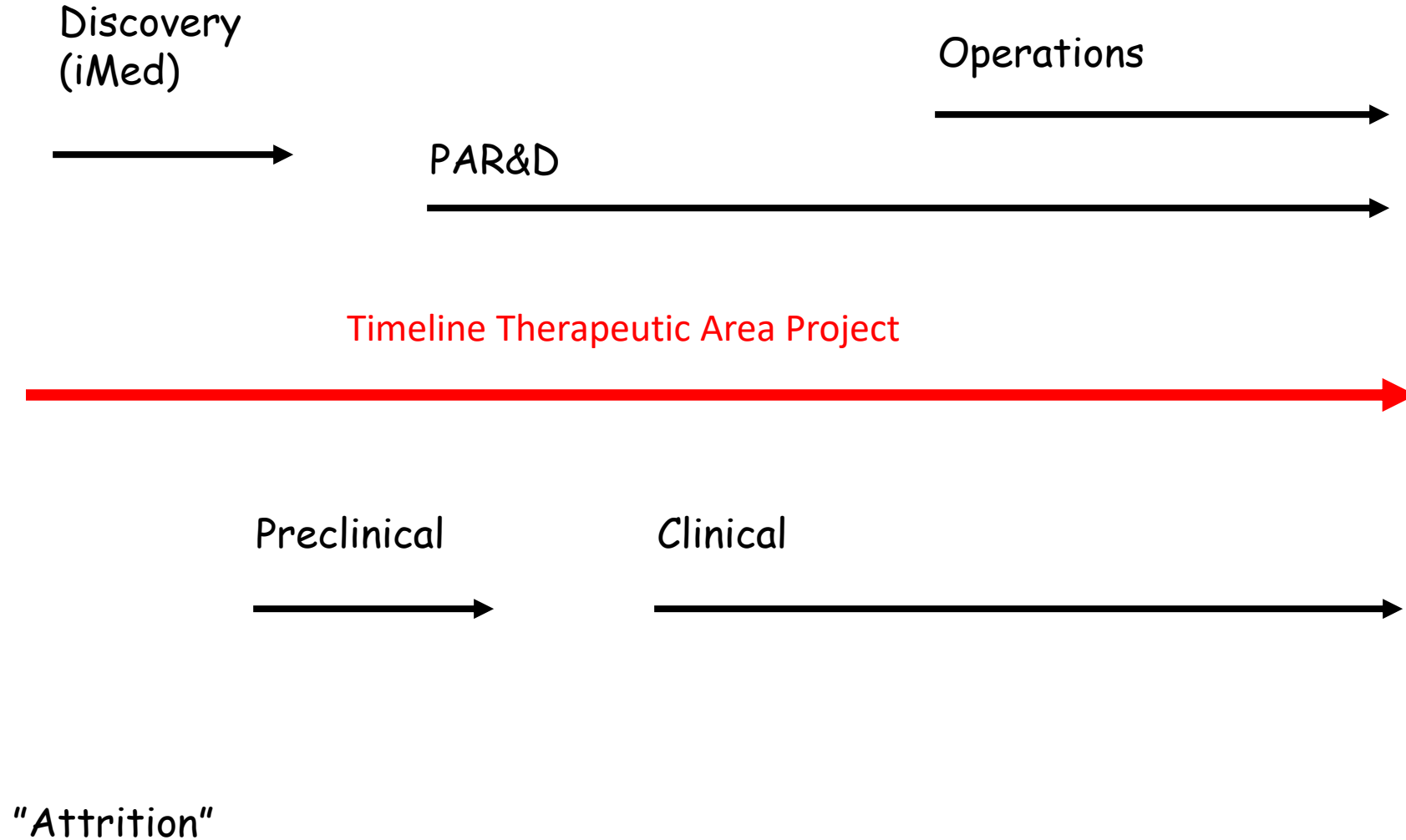
Uppsala University 1985
Uppsala University 1991
AstraZeneca R&D Mölndal 1993
Uppsala University 2001
AstraZeneca R&D Mölndal 2003
AstraZeneca R&D Sweden 2006
AstraZeneca R&D Mölndal 2013 – 2018
AstraZeneca R&D Gothenburg 2018 –

Research council Swedish Pharmaceutical Society
Member of Chromatographic Science Technique (EDQM Strasbourg)



Candidate drug nomination

"Operative" functions



Pharmaceutical Development (PD)

- Globally about 1200 employees
 - UK Macclesfield and Cambridge
 - Focus on substance and parenteral formulation development
 - SE Gothenburg
 - Focus on oral formulation development
- About 600 employees in Sweden
- Pharmaceutical, Chemistry & Analytical (in partnership)
 - Development of substance and formulation
- Analytical Science – about 120 employees in Sweden
 - Multi skill units (Inhalation and oral formulation)
 - Regional organization
 - Same size of Analytical Science skill in UK
 - Plus 50 in other functions at the GOT site
 - Plus 200 at Quality Control units at the Södertälje site

Career ladder for an analytical chemist within PD

- A. Line Manager
- B. Project Manager
- C. Science Manager

Career levels examples?

- Vice President (VP) - Piet van den Oetelaar
 - Director/Senior Principal Scientist - Catherine Boissier
Anders Karlsson
 - Principal Scientist - Sanna Abrahamsen/Mats Josefson
 - Team manager/APS - Ulrika Börjesson
Morgan Stefansson
Elisabeth Arvidsson
 - Scientific expert and coordinator - Ingrid Marle
Andreas Bolin
 - Laborative personnel
- * Education: Three years university studies (base)

Who does what?

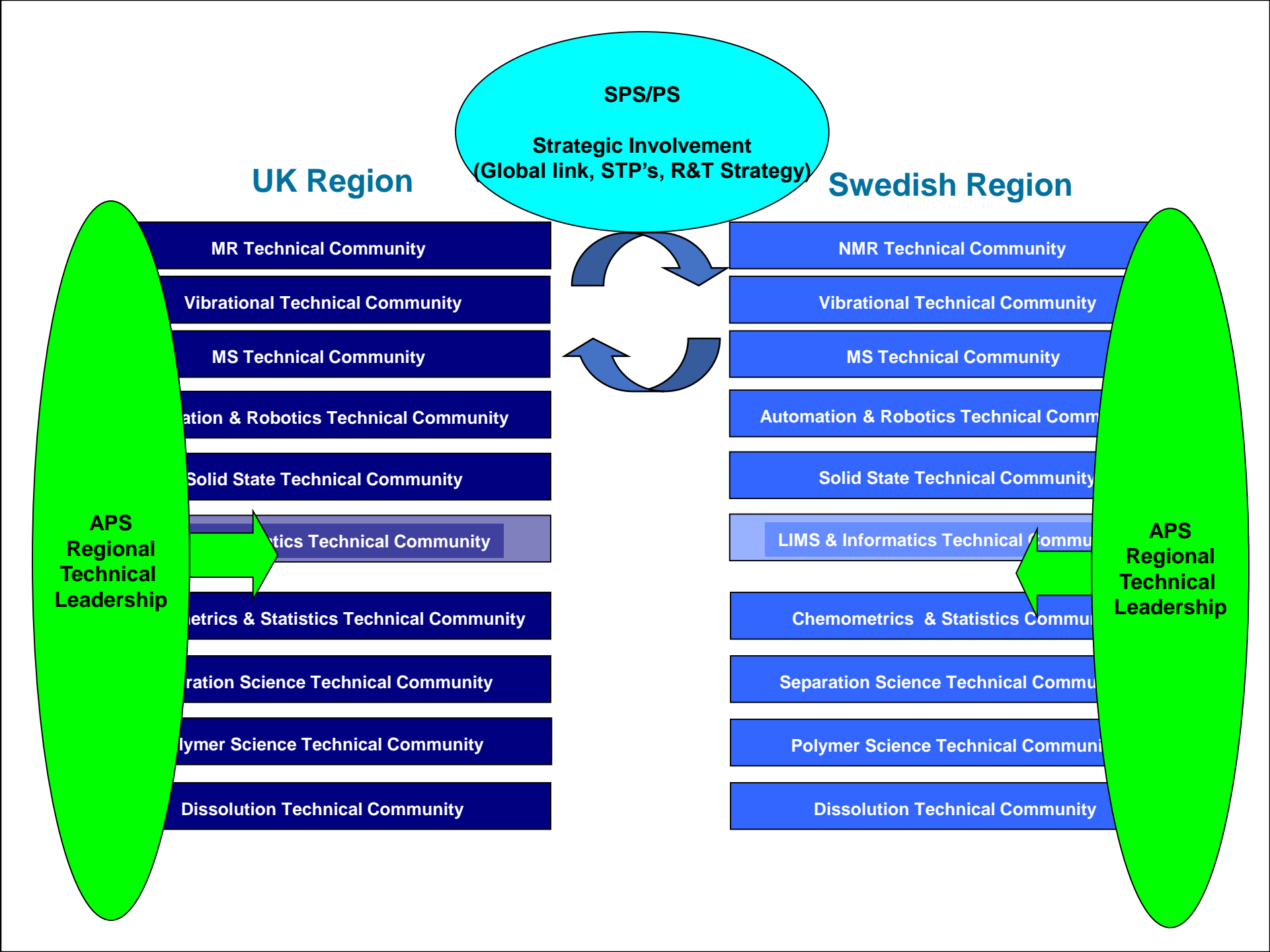
- Senior Principal Scientist
 - Senior advisor acting globally
- Principal Scientist
 - Technical/science expert acting globally
- Associate Principal Scientist
 - Technical/science expert acting regionally
- Senior Project Scientist
 - Coordinating role- project/portfolio responsibility
- Technical/science expert
 - Expert in specific technique(s) - local responsibility
- Coordinator
 - Coordinating role- specific TA project
- Laborative personnel

Project Team

- PD lead-representative (Product Development)
- About five to ten members
 - One of these PD lead {
 - Analytical science - coordinator
 - Physical science - coordinator
 - Formulation science - coordinator
 - Co-workers from AS/PS/FS)
- Ad-hoc meeting e.g. with technical experts

Global Technical Community (GTC)

- Global Technical Networks
 - Nine of them
 - One contact person per region
 - Local network at each site



Specific information Analytical Chemist

Education level:

- University studies (3-5 years) – base degree
 - Pharmacy/Chemical/Engineers/Physics
- Ph. D. degree
- Associate Professors
- Adjunct Professor

Development roles for Analytical Chemists

Starting working at AZ as laborative resource

After some years

- Co-ordinate activities within TA projects

After five to ten years

- AS (PD) representative in TA projects

Technical/science expert

Line Manager

Expert in other areas: Quality/Regulatory

Principle: As “laborative” as possible in our TA projects

Other functions within AZ where Analytical Chemists can be found

Quality Control (QC) – Operation

Medicinal Chemistry

DMPK

Biopharmaceutics

Regulatory affairs

Education within AZ

Education for AZ employees

- Learning by doing (TA project work)
- Time with technical expert
- Internal and external courses
- Conferences
- Secondments (short or long term)

Thank you for your attention!

