FACTS AND FIGURES ON SWEDEN'S NUMBER ONE LIFE SCIENCE REGION



Introduction

As early as 2004, the Swedish Agency for Innovation Systems (VINNOVA) published a report on life science companies in Sweden. The report showed that Stockholm-Uppsala is by far Sweden's stronghold in life sciences regarding company activities. Their study was repeated in 2007, showing the same results.



Figure 1. Three million people live in the region around lake Mälaren in an area of 34 thousand square kilometers. The region has a strong life science industry.

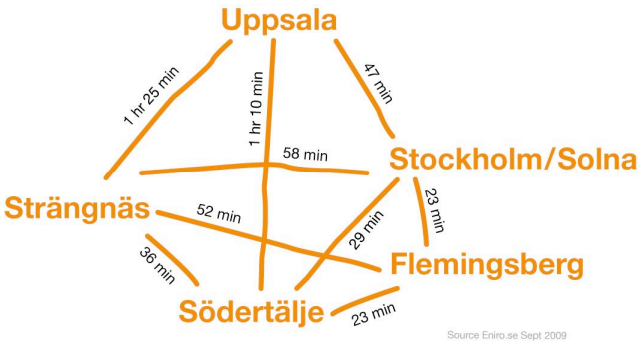


Figure 2. The cities of Uppsala and Strängnäs plus the greater Stockholm area including Södertälje, Flemingsberg and Solna form a tight region with transportation times that fall below one-and-a-half hours.

Stockholm-Uppsala is still Sweden's, and one of Europe's, leading life science clusters. Approximately 60 % of the country's life science employment is at companies located in the three counties of Stockholm, Uppsala and Södermanland. These data are further developed in this report.

To develop and grow, life science companies depend on cooperation with academic and clinical researchers. The abundance of internationally recognized research in the area can partly explain why the region has become such a life science hotspot. Cutting-edge research programmes within life science and complementary disciplines are carried out at the universities and university hospitals in the region*. Seventy percent of the Swedish government's recent strategic research funding in life sciences is allocated to research groups in Stockholm-Uppsala.

World-leading universities and university hospitals include Karolinska Institutet, Uppsala University, the Royal Institute of Technology, Stockholm University, Karolinska University Hospital and Uppsala University Hospital.

A number of life science innovations that have emerged from this region, and that today are products in great demand on the global market, reflect the academic research profiles of the area. Protein science is one area that has generated products for a number of applications, and that continues to deliver both academic breakthroughs and new products. Sweden's centralized public healthcare system and personal identification numbers, together with the region's biobanks and well-developed patient registers, are other factors behind the many success stories.

Breakthrough innovations developed to date in Stockholm-Uppsala include Sephadex, Xylocain, the pacemaker, Gamma Knife, ImmunoCap, Fragmin, Genotropin, Healon, Biacore, ÄKTA, Xalatan, Pyrosequencing, Seroquel and DuoLink.

Two companies must be mentioned when describing Stockholm-Uppsala's strong development within life sciences: AstraZeneca and Pharmacia. Both were founded here, and have been instrumental for the region's development.

AstraZeneca is today a global pharmaceutical company, headquartered in the UK. It still has one of its largest production facilities in the region (in Södertälje) together with its global site for pre-clinical neuroscience research.

Pharmacia no longer exists as a company in the region. In 2002, Pfizer acquired its operations, but the majority of the company's businesses are still thriving and growing here. Today, we recognize them under names such as GE Healthcare, Fresenius Kabi, Swedish Orphan Biovitrum, Octapharma, Phadia, Advanced Medical Optics and others.

** A comprehensive overview of ongoing, world-leading academic reserch projects by research/therapy area can be down-loaded at www.suls.se. Go to downloads*

Recently, the region has also received a number of substantial company investments. GE Healthcare has invested 350 million Euros in its Uppsala facilities and Pfizer 150 million Euros in a new production facility in Strängnäs. The Indian contract manufacturer Kemwell acquired a production facility in Uppsala in 2006, an investment that was followed in 2010 by an expansion of production capacity. Similarly, the Swiss company Octapharma recently expanded its production capabilities in Stockholm.

The future could thus be described as bright, but it cannot be taken for granted. Even if Stockholm-Uppsala has a strong track record in research, in innovation and in producing and marketing its products, the global competition is fierce.

As this report shows, a few very large companies account for the majority of the sector's incomes and employment. Stockholm-Uppsala benefits greatly from global companies such as AstraZeneca and GE Healthcare. Their knowledge and their networks, plus their role as demanding customers to sub-suppliers, create a dynamic and competitive climate. Nevertheless, the region and its decision-makers must be aware of the risk inherent in being so dependant on a few global companies.

Life science is today one of the strategic sectors for growth in the greater Stockholm-Uppsala region and is mentioned as such in development plans owned by the public sector, by the universities and by cluster initiatives. To constantly improve the conditions for competitiveness and growth is a common denominator.

The universities' major strategic initiative, the Science for Life Laboratory in Stockholm and Uppsala, is to become a national resource for large-scale research in molecular biosciences and medicine, working with academic, clinical and industrial researchers.

Other initiatives in place to carry out and develop life science strategies for securing the long-term competitiveness of the sector include:

The development of a strong soft infrastructure to progress Stockholm Life, the area in northern Stockholm around Karolinska Institutet and Karolinska University Hospital.

BIO-X, the program run by Uppsala BIO that takes research results to proof-of-concepts in a highly-structured manner based on needs expressed by industry or healthcare.

Incubation programs like Stockholm Innovation and Growth, Uppsala Innovation Centre and Karolinska Institutet's comprehensive innovation system (Karolinska Institutet Innovations, Karolinska Institutet Science Park and Karolinska Development) that nurture budding companies and turn them into stable growing businesses.

The Center for Advanced Medical Simulation in Flemingsberg, south of Stockholm, offering systematic education, evaluation and research in the field of advanced medical simulation.

If we believe that long-term growth cannot happen without companies developing and creating wealth, we must ensue that we have a reliable tool for following their development. Therefore, Stockholm-Uppsala Life Science, in close cooperation with its partners, decided to launch a yearly measurement of Stockholm-Uppsala's life science companies.

This is our first common baseline study, our ground zero. Yearly updates, using the same methods, will be published as an instrument for the region to follow the results of its actions, and for companies and partners outside to get a detailed picture of regional strengths on the company side.

Previously, Uppsala BIO has published similar studies covering the companies in Uppsala. Between 2003 and 2008, employment in life science companies grew by 12 % and their turnover by 55 %. These figures are promising. We firmly believe that the coming years for Stockholm-Uppsala's life science companies will show a beneficial development in income and in new job opportunities, thus contributing to the economic well being of the whole region, as well as on the national level.

We hope these data will be of use to you, whether you are already active in the life science arena in the Stockholm-Uppsala region, in other sectors, or are looking for new opportunities in life sciences. To learn more about individual companies, we recommend the Stockholm-Uppsala Life Science Info Bank, available on the web, www.suls.se.

Welcome to Stockholm-Uppsala!

Results

SIZE OF THE INDUSTRY

	2009
Number of companies	574
Employed	23 373
Turnover	126 576 351

Table 1. The Stockholm-Uppsala region has over 570 life science companies, together accounting for more than 23,000 employees. This equals 60 % of Sweden's workforce within life science. The total turnover of these companies amounts to over 125 billion SEK. This figure, however, does not take into account the fact that a few – but large – life science companies in the region also have Swedish sites elsewhere. Thus, turnover for companies such as AstraZeneca, GE Healthcare and Phadia skews this figure.

PRODUCT DEVELOPMENT, MANUFACTURING AND MARKETING & SALES

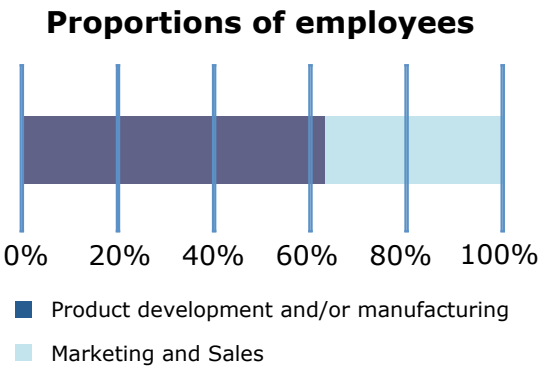


Figure 3. Proportion of the workforce in the region working for companies with product development and/or manufacturing versus marketing and sales as the company's focus area. Sixty-three percent of life science employees in the region work for product development and/or manufacturing companies, while 37 % are employed in companies with marketing and sales as their primary focus.

SMALL, MEDIUM AND LARGE COMPANIES

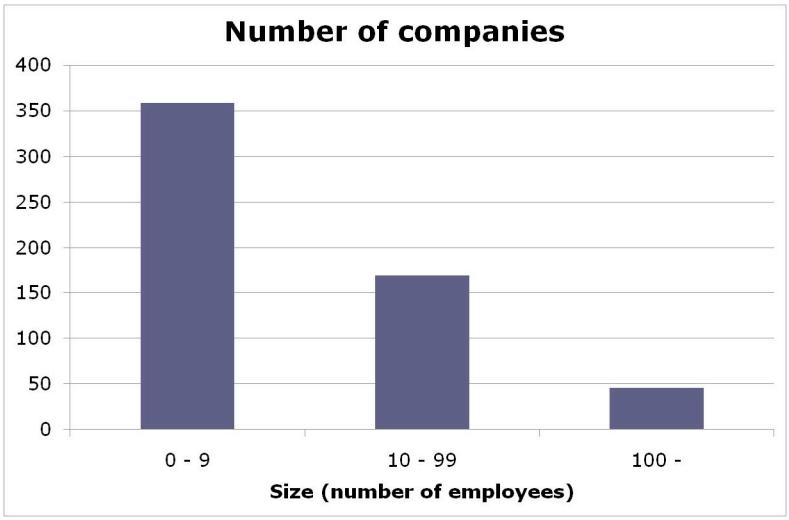


Figure 4. In the Stockholm-Uppsala region, 63 % (359) of the life science companies have fewer than nine employees, 169 companies (29 %) have between ten and 99 employees, and 46 companies, corresponding to 8 %, have more than one hundred employees. The vulnerability in the fact that the vast majority of the companies are very small has initiated a number of regional development support efforts and programs designed to ensure that these companies enjoy the best possible future prospects.

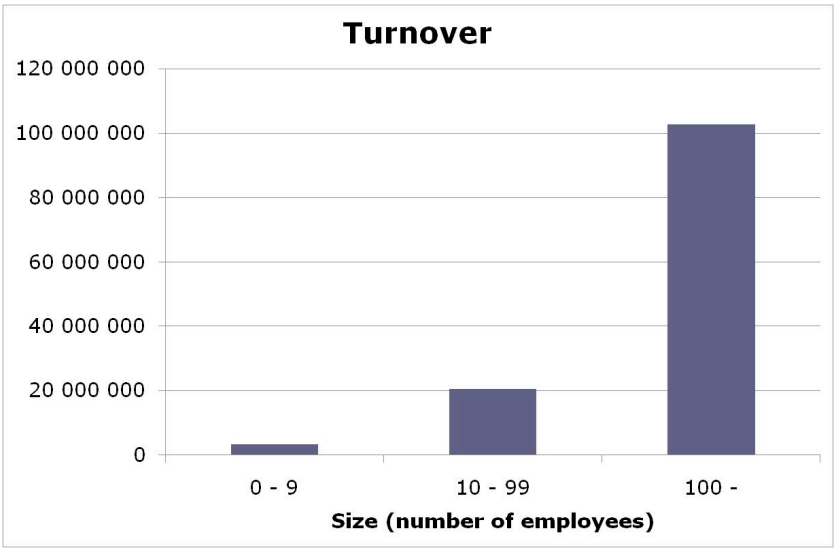


Figure 5. The total national turnover of companies in the Stockholm-Uppsala region's life science sector amounts to 126 billion SEK. This figure includes total turnover of companies with a national presence such as AstraZeneca, GE Healthcare and Phadia. Eighty-one percent (102 billion SEK) comes from companies with more than one hundred employees; 16 % (20 billion SEK) from companies with ten to 99 employees, and 3 % (3 billion SEK) from companies with fewer than nine employees.

THE LARGEST COMPANIES

Company name	Number of employees	Sub-sector
AstraZeneca AB	6 100	Pharmaceutical
GE Healthcare Bio-Sciences AB	1 200	Biotech tools and supply
Fresenius Kabi AB	893	Pharmaceutical
Pfizer AB (inc. Pfizer Health)	763	Pharmaceutical; Pharmaceuticals M&S
St. Jude Medical AB	619	MedTech
Octapharma AB	534	Pharmaceutical
Q-Med AB	461	MedTech
Apoteket Production & Laboratories AB	460	Pharmaceutical
Swedish Orphan Biovitrum AB	453	Pharmaceutical
Phadia AB	420	Diagnostics
Maquet Critical Care AB	382	MedTech
Johnson & Johnson AB	283	MedTech M&S
Recipharm Stockholm AB	248	Pharmaceutical
Quintiles AB	225	CRO/Prod. dev. support providers
Cederroth International AB	225	MedTech

Table 2. The 15 largest employers among the region's life science companies during 2009. With 6,100 employees, AstraZeneca is by far the largest employer among the region's life science companies.

Company name	Turnover (TSEK)	Sub-sector
AstraZeneca AB	51 461 000	Pharmaceutical
Pfizer AB (inc. Pfizer Health)	8 108 984	Pharmaceutical; Pharmaceuticals M&S
GE Healthcare Bio-Sciences AB	5 953 012	Biotech tools and supply
St. Jude Medical AB	3 949 697	MedTech
Meda AB	2 683 000	Pharmaceutical
Fresenius Kabi AB	2 208 363	Pharmaceutical
Phadia AB	2 107 748	Diagnostics
Johnson & Johnson AB	1 658 859	MedTech M&S
Novartis Sverige AB	1 657 169	Pharmaceutical M&S
Octapharma Nordic AB	1 515 365	Pharmaceutical
Maquet Critical Care AB	1 491 030	MedTech
Sanofi-aventis AB	1 470 503	Pharmaceutical M&S
Bayer AB	1 451 420	Pharmaceutical M&S
3M Svenska AB	1 237 075	MedTech M&S
Swedish Orphan Biovitrum AB	1 175 359	Pharmaceutical

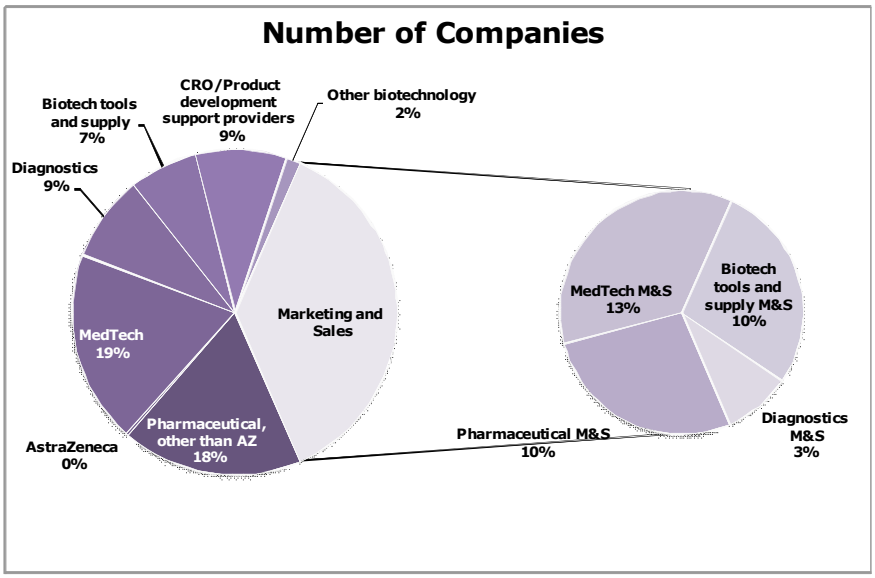
Table 3. The 15 largest companies based on turnover. For companies with a national presence, the turnover is based on the national level and thus includes sites outside the Stockholm-Uppsala region.

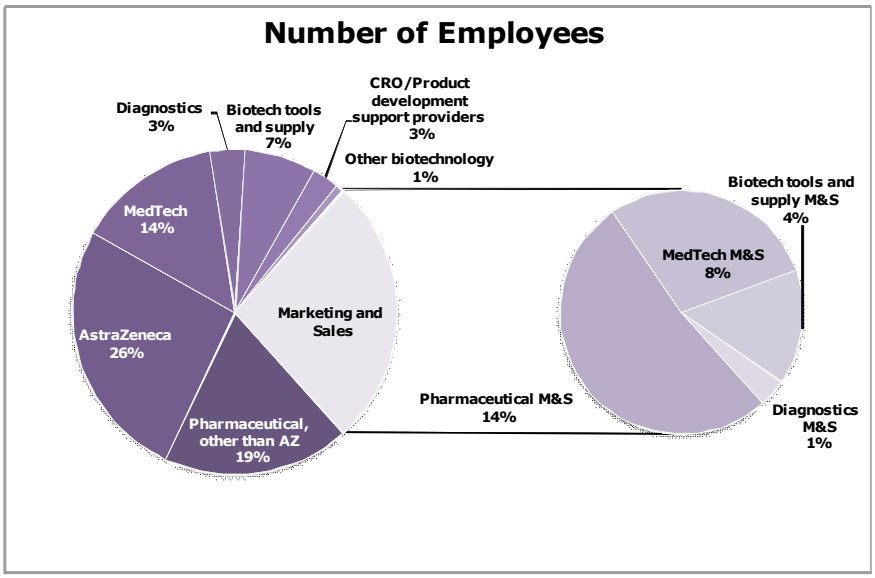
THE INDUSTRY AND ITS SUB-SECTORS

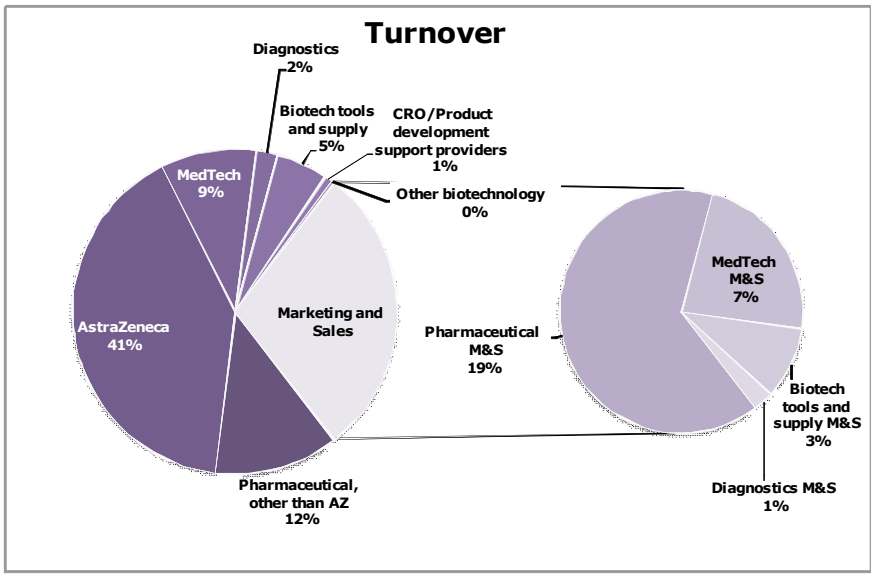
The charts on the next page depict number of companies in the region with percentile information on key figures such as number of employees, number of companies and turnover for life science companies divided into sub-sectors.

For clarification, the sub-sector marketing and sales has been split into marketing and sales from pharmaceutical companies, medical technology companies, biotech tools and supply providers, and companies focusing on diagnostics.

The term other biotechnology represents environmental biotechnology, food-related biotechnology and agricultural biotechnology.


Number of Companies
Biotech tools and supply 7%
CRO/Product development support providers 9%
Other biotechnology 2%
Diagnostics 9%
MedTech 19%
Marketing and Sales
AstraZeneca 0%
Pharmaceutical, other than AZ 18%
MedTech M&S 13%
Biotech tools and supply M&S 10%
Diagnostics M&S 3%
Pharmaceutical M&S 10%


Number of Employees
Diagnostics 3%
Biotech tools and supply 7%
CRO/Product development support providers 3%
Other biotechnology 1%
MedTech 14%
AstraZeneca 26%
Marketing and Sales
Pharmaceutical, other than AZ 19%
Biotech tools and supply M&S 4%
MedTech M&S 8%
Diagnostics M&S 1%
Pharmaceutical M&S 14%


Turnover
Diagnostics 2%
Biotech tools and supply 5%
CRO/Product development support providers 1%
Other biotechnology 0%
MedTech 9%
AstraZeneca 41%
Marketing and Sales
Pharmaceutical, other than AZ 12%
MedTech M&S 7%
Pharmaceutical M&S 19%
Biotech tools and supply M&S 3%
Diagnostics M&S 1%

THE SUB-SECTORS GEOGRAPHIC LOCATIONS

The figures on the next page presents an overview of the number of employees in different life science company categories and their geographical representation within the region.

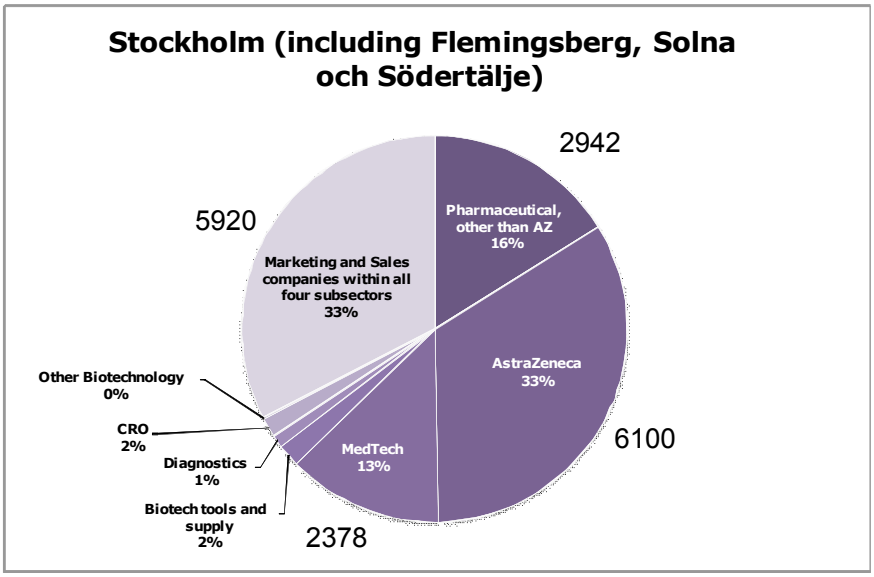
Stockholm represents the greater Stockholm area, including Flemingsberg, Solna and Södertälje. Pharmaceutical and marketing and sales companies are the two predominant employers in the Stockholm area.

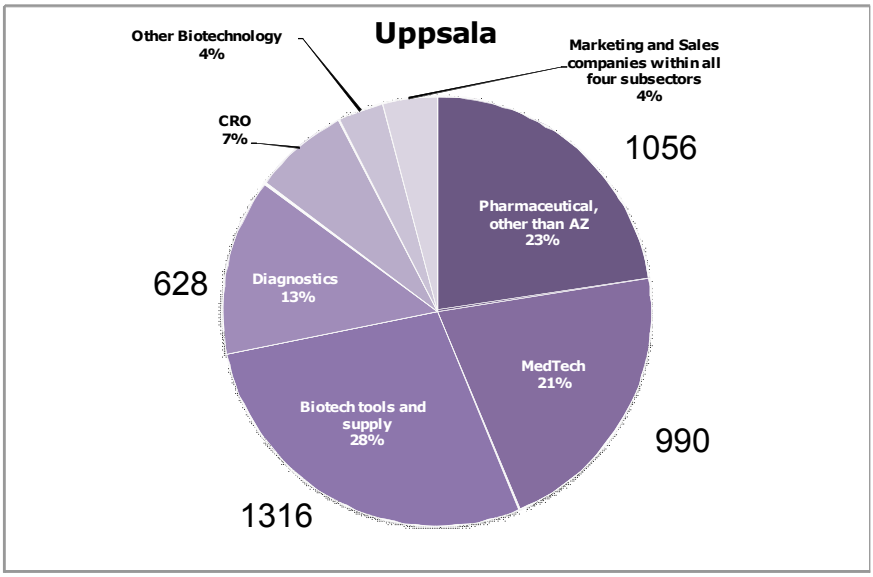
In *Uppsala,* the predominant employers are within biotech tools and supply and the pharmaceutical industry.

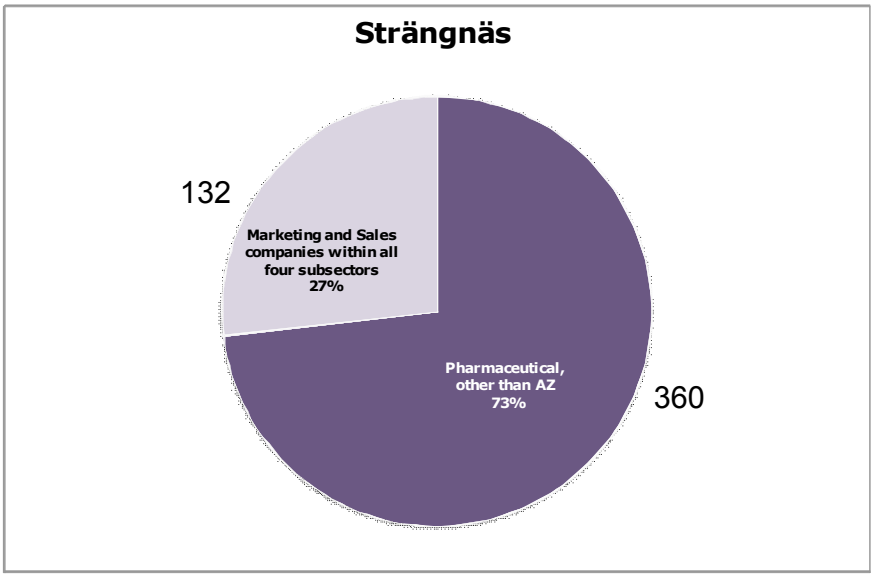
Strängnäs has a strong focus on the pharmaceutical industry, but is also home to companies focusing on marketing and sales.

In these charts, marketing and sales companies represent companies focusing on marketing and sales irrespective of product (i.e. pharmaceutical, medical technology, biotech tools and supply or diagnostics).

Note that even though diagnostics companies are not the main employer in Uppsala, the city is a stronghold for Swedish diagnostics development and manufacturing.


Stockholm (including Flemingsberg, Solna och Södertälje)
2942
5920
Pharmaceutical, other than AZ 16%
Marketing and Sales companies within all four subsectors 33%
AstraZeneca 33%
Other Biotechnology 0%
CRO 2%
Diagnostics 1%
Biotech tools and supply 2%
MedTech 13%
6100
2378


Uppsala
Other Biotechnology 4%
Marketing and Sales companies within all four subsectors 4%
CRO 7%
1056
Pharmaceutical, other than AZ 23%
628
Diagnostics 13%
MedTech 21%
Biotech tools and supply 28%
990
1316


Strängnäs
132
Marketing and Sales companies within all four subsectors 27%
Pharmaceutical, other than AZ 73%
360

Methods

To make this baseline study, we turned to the Centre for Research on Innovation and Industrial Dynamics (CIND) at Uppsala University.

Measuring development on a company level in a life science cluster is not entirely straightforward as the sector is not identifiable by the so-called SNI-codes, the Swedish equivalent of the European NACE-codes. Companies are scattered over a variety of classifications.

CIND has previously, in its studies for Uppsala BIO, developed a method to mine Swedish official registers to identify companies relevant for this type of study, and to define to which subsector within life sciences the company should be allocated.

Data for this study come from a variety of sources, the most important being VINNOVA's previous studies and official registers such as "AffärsData" and "Market Manager". Data comprise only limited companies, "aktiebolag".

One difference with the Uppsala reports is that data presented in the Stockholm-Uppsala report do not include service companies specialised in life sciences.

A reference group, with representatives from Flemingsberg, Stockholm Science City, Stockholm-Uppsala Life Science and Uppsala BIO, has been consulted to verify data.

Companies with sites at different locations in Sweden report turnover and number of employees where they are headquartered. For this report, it has not been possible to dissect these numbers in order to specify the turnover generated in Stockholm-Uppsala. In this specific study, this problem mainly relates to AstraZeneca. Other companies with turnover generated in other Swedish regions include, for example, GE Healthcare, Biovitrum Swedish Orphan and Phadia.

CIND's research report, upon which this report is based, will be published separately.

Appendix 1

Defines the categorisation of the companies as used throughout this presentation.

Category	Description
	Product development /manufacturing
Pharmaceutical	Pharmceutical companies engaged in product development and/or manufacturing
MedTech	MedTech companies engaged in product development and/or manufacturing
Diagnostics	Diagnostics companies engaged in product development and/or manufacturing
Biotech tools and supply	Biotech tools and supply companies engaged in product development and/or manufacturing
	Marketing & Sales
Pharmaceutical M&S	A pharmaceutical company's Swedish or Nordic marketing company or distributor
MedTech M&S	A MedTech company's Swedish or Nordic marketing company or distributor
Diagnostics M&S	A Diagnostics company's Swedish or Nordic marketing company or distributor
Biotech tools and supply M&S	A Biotech tools and supply company's Swedish or Nordic marketing company or distributor
	Specialists/Consultants
CRO/Product development support providers	Contract research organizations directly engaged the product development process by providing a defined service
	Other areas
Environmental biotechnology	Companies engaged in developing and/or manufacturing products or providing expertise/service within environmental biotechnology
Food-related biotechnology	Companies engaged in developing and/or manufacturing products or providing expertise/service within food biotechnology
Agricultural biotechnology	Companies engaged in developing and/or manufacturing products or providing expertise/service within agricultural biotechnology

Appendix 2

Lists of individual companies and their number of employees by sub-sector.

PHARMACEUTICAL

Company	Number of employees
ACO Hud AB	20
ACTAR AB	14
Advet AB	0
Akinion Pharmaceuticals AB	1
Alimenta Medical AB	1
Allosergon AB	2
Angitia AB	1
Apoteket Production & Laboratories AB	460
Aprea AB	7
AstraZeneca AB	6 100
Athera Biotechnologies AB	6
Atomos Drug Discovery Services AB	1
Avaris AB	9
Axcentua Pharmaceuticals AB	2
Axelar AB	1
Betagenon AB	15
BioArctic Neuroscience AB	19
BIODAN AB	0
Bio-Hyos AB	1
Bioimics AB	0
Bio-Link AB	0
Bioneris AB	1
Bioreal AB	11
Cardinova AB	12
Cebix AB	1
ChronTech Pharma AB	3
ClanoTech AB	1
Conpharm AB	1
Crucell | SBL Vaccines	131
Dextech Medical AB	1
Diamyd Medical AB	0
Diamyd Therapeutics AB	11
Dilafor AB	7
Eribis Pharmaceuticals AB	1
Eurocine Vaccines AB	3
Exthera AB	2
Fresenius Kabi AB	893
GeneVax Development Sweden AB	1
GlucoGene Pharma AB	0
Glucox Biotech AB	1
Heparinforskning i Uppsala AB	0
IMED AB	6
Independent Pharmaceutica AB	3
Index Pharmaceuticals AB	14
iNovacia AB	29
Intervacc AB	1
Isconova AB	14
Iscovent AB	1
Isifer AB	1
IsoSep AB	3
Jederstrom Pharmaceuticals AB	7
Karo Bio AB	63

Company	Number of employees
Kemwell AB	173
Lipopeptide AB	4
Meda AB	88
Medivir AB	100
MGlas Scandinavia AB	3
Moberg Derma AB	9
NeuroNova AB	23
Novadex Pharmaceuticals AB	7
NovaHep AB	2
NovaSAID AB	1
NT - NeuroTherapeutics AB	0
N-vet AB	4
Oasmia Pharmaceutical AB	49
Octapharma AB	534
Ombitec AB	1
Oncopeptides AB	2
OncoReg AB	1
Orexo AB	114
Ova Production AB	4
OxThera AB	6
Oxypharma AB	1
Pergamum AB	2
Pfizer Health AB	484
PhacoTreat AB	1
Pharmaconcepts AB	0
Pharmalink AB	1
PledPharma AB	2
Polysackaridforskning i Uppsala AB	2
Porten Pharmaceutical AB	2
Premacure AB	2
Recipharm AB	81
Recipharm AB Strängnäs	66
Recipharm Stockholm AB	248
Recopharma AB	6
Renapharma AB	0
Renapharma-Vifor AB	6
Sensidose AB	0
SentoClone AB	16
SHL Group AB	40
Softcure Pharmaceuticals AB	1
Sprint Bioscience	1
Swedish Orphan Biovitrum AB (publ)	453
Swenora Biotech AB	1
Synphora AB	3
Theravac Pharmacenticals AB	0
TikoMed AB	7
Umecrine Cognition AB	1
Umecrine Mood AB	1
Vironova AB	15
Vitaline Scandinavia AB	0
Xbrane Bioscience	1
XSpray Microparticles AB	6

MEDTECH

Company	Number of employees
AB Nordic Medifield Service	1
Abbott Medical Optics	140
ABet Ardent	11
Adolesco AB	0
Aerocrine AB	29
AKLA AB	54
Aloro Medical AB	1
Amdent AB	19
Anmedic AB	15
Antrad Medical AB	1
AprioMed AB	6
Artema Medical AB	28
Audeq AB	0
Bactiguard AB	18
Beampoint AB	2
BioChromix Pharma AB	1
Biolight International AB	7
Bioservo Technologies AB	1
Boule Medical AB	75
Brighter	0
Cederroth International AB	225
Centri AB	31
Cetro AB	1
CMA Microdialysis AB	53
Cogmed Systems AB	10
Comair professor Hans Wiksell AB	1
Conroy Medical AB	4
Conroy Production AB	14
Corline Systems AB	6
Cyclocrine AB	0
CytaCoat AB	2
Dental Therapeutics AB	5
Dentatus AB	46
Directa AB	18
Doft AB	6
Doxa AB	15
Doxa Orthopaedics AB	0
Elekta Instrument AB	182
Ellen AB	4
ENCare	0
ENTpro AB	2
Epiq Life Science AB	9
Episurf Medical AB	1
Ergo Nordic AB	4
Etac AB	14
Euromed Networks AB	11
GEMS PET Systems AB	87
Gewa AB	20
Goodpoint AB	22
Gridline AB	10
Handicare AB	0
Hantverksdesign AB	23
Hermes Medical Solutions AB	12
Inovacor AB	1
Intestia Medicintekniskt AB	1

Company	Number of employees
Invacare AB	62
KanMed AB	8
Karocell Tissue Engineering AB	1
Kiwok AB	0
Latronix AB	9
Maquet Critical Care AB	382
Med Coat AB	2
Medical Products Octagon AB	0
Medical Robotics AB	0
Medical Vision Research & Development AB	6
Meditalk AB	2
Mercado Medic AB	32
Microbiotech/se AB	5
Obstecare AB	2
OCTANOUVO AB	0
OCTAPUMP AB	0
Ompu AB	0
ONCOlog Medical QA AB	14
Optima Scandinavia AB	4
Ortivus AB	27
Person och Organisationspoetik AB	1
Pharma Systems PS AB	1
Pharmacolog i Uppsala AB	0
PHASEIN AB	38
ProstaLund Operations AB	11
Prozeo Vascular Implant AB	0
Q-Med AB	461
Q-Med Holding Sweden AB	0
Q-Med Produktion AB	0
Quickels Systems AB	4
RaySearch Laboratories AB	0
Reachin Technologies AB	7
Rini Ergoteknik AB	10
Rium Medical AB	2
Sanicare AB	6
ScandiDos AB	11
Scandiflash AB	17
ScandiNova Systems AB	12
Scandmed AB (uppköpta)	6
Scanflex Medical AB	9
SciBase AB	0
Scint-X AB	3
Sedana Medical AB	2
Sendoline AB	3
Spectro Analytic Irradia AB	8
Spirox AB	0
St. Jude Medical AB	619
St. Jude Medical Systems AB	154
Stille Surgical AB	0
Swereco Rehab AB	6
TRICORONA AB	0
Victrix AB	1
Zarlink Semiconductor	127
Zenicor Medical Systems AB	3
Össur Nordic AB	41

BIOTECH TOOLS AND SUPPLY

Company	Number of employees
Absorber AB	7
Adamantis AB	0
Affibody AB	46
Atlas Antibodies AB	12
Attana AB	27
Beactica AB	3
Belach Bioteknik AB	5
Biosensor Applications Sweden	16
Biothema AB	9
CEMU Bioteknik AB	0
Cobolt AB	24
Colly Filtreringsteknik AB	12
CyberGene AB	4
Denator AB	9
Evitraproteoma AB	1
Gammadata Instrument AB	26
GE Healthcare Bio-Sciences AB	1 200
GE Healthcare Life Siences AB	0
Genetta Soft AB	0
GRADIENTECH AB	0

Company	Number of employees
Gyros AB	45
Immun System I.M.S. AB	3
Kamlion AB	2
Mabtech AB	27
MAIIA Diagnostics	6
Mikro Kemi (Mike) AB	17
ModPro AB	2
Oligovation AB	1
PEVIVA AB	8
PH Plate Microplate Techniques AB	1
PlasEx AB	1
Polymer Factory Sweden AB	2
Q-linea AB	4
Q-Sense AB	9
Ridgeview Instruments AB	4
Silex Microsystems AB	118
Spiber Technologies AB	3
SymCel AB	3
YO Proteins AB	1

DIAGNOSTICS

Company	Number of employees
AB Anders Magnussons Innovationer	1
AJ Medical Blodtrycksspecialisten	1
AlphaHelix Molecular Diagnostics AB (publ)	7
Aprovix AB	2
Aprovix Laboratories AB	0
AroCell AB	1
Ascendia MedTech AB	4
Bactus AB	9
Bengt Guss AB	1
BioChromix AB	5
Biomun AB	1
Biovator AB	2
Biovica AB	7
Biovica International AB	2
Boule Diagnostics International AB	4
Cavidi AB	8
Cepheid AB	63
C-Rad Innovation AB	1
C-Rad Positioning AB	5
Decipher Genetics AB	0
Demetech AB	3
Devyser AB	3
DiaComp AB	0
DiaComp Development AB	0
Diamyd Diagnostics AB	0

Company	Number of employees
Everygene AB	1
Findout Diagnostic AB	1
Gripping Heart AB	3
HBV Theranostica AB	0
IDL Biotech AB	11
InDex Diagnostics AB	0
Kibion AB	11
Landegren Gene Technology AB	0
Mercodia AB	46
MIAB Mälarinvest AB	21
Miniara AB	1
NeoDynamics AB	3
Olerup SSP AB	23
Olink AB	19
Olink Genomics AB	3
Perimed AB	37
Phadia AB	420
Piconomy AB	0
Quantovir AB	0
Senzime AB (publ.)	3
SVANOVA Biotech AB	27
Uppsala Imanet AB	40
Ursus Medical AB	4
XCounter AB	19

CRO/PRODUCT DEVELOPMENT SUPPORT PROVIDERS

Company	Number of employees
3H Biomedical AB	3
A+ Science	9
Alpha Regulatory	0
Amellus AB	2
Analyscentrum	0
Arandi Development	1
Assist Medical Sweden AB	1
Byrström, Käthe	0
Cenji Pharma AB	1
Chemilia AB	4
Clinical Gene Networks AB	2
CRO subsidury PharmaNet Services GmbH, CH	0
Cyncron AB	8
Edsman Medical Writing	0
Encorium Sweden AB	10
Eureda AB	0
ICON Clinical Research Limited Ireland, filial	0
Inhalation Sciences Sweden AB	4
IRW Consulting AB	1
Kendle Sweden AB	12
Larhammar Consulting AB	1
Life Science Mngmt Laboratories i Uppsala AB	1
Link Medical	0
Marken Ltd.	0
Medicago AB	18
Methra Uppsala AB	2

Company	Number of employees
NDA Regulatory Service AB	5
Nordic Regulatory Consultants	0
Omnicare Clinical Research AB	5
PAREXEL Sweden AB	25
Pharm Assist Sweden AB	5
Pharma Consulting Group in Uppsala AB	25
PharmaControl MQL AB	7
PharmaNet	0
PPD Scandinavia AB	105
Pro Saludis AB	1
Pronexus Analytical AB	2
Q Advance Compliance & Validation AB	6
Quintiles AB	225
Quintiles Commercial AB	6
Recipharm Biologics AB	32
RegMan AB	1
Scandinavian CRO AB	7
Scandinavian Outcomes AB	2
Scandinavian Regulatory Services AB	10
Smerud Medical Research Sweden AB	13
Sofus Stockholm Consulting AB	12
Syntagon AB	22
TFS - Trial Form Support Int. AB	20
UniTech Pharma AB	1
Vecura AB	1
Visionar Preclinical AB	6

OTHER BIOTECHNOLOGY

Company	Sub-sector	Number of employees
BioGaia AB	Food-related biotechnology	31
Bioteria	Environmental biotechnology	5
Eurofins Environment Sweden AB	Environmental biotechnology	122
Scandinavian Biogas Fuels AB	Environmental biotechnology	32
Lantmännen BioAgri AB	Agricultural biotechnology	0
Agri Lab AB	Agricultural biotechnology	6
Medi Metal AB	Environmental biotechnology	2
T & M Biopolymer AB	Agricultural biotechnology	0

PHARMACEUTICAL M&S

Company	Number of employees
Abbott Scandinavia AB	156
Actavis AB	19
Actelion Pharmaceuticals Sverige AB	17
Alcon Sverige AB	52
Allergan Norden AB	31
Amgen AB	100
Arrow Läkemedel AB	2
AstraZeneca Nordic	1
AstraZeneca Sverige AB	1
Baxter Medical AB	111
Bayer AB	193
BiogenIdec Sweden AB	11
BioPhausia AB	4
Bluefish Pharmaceuticals AB (publ)	10
BMM Pharma AB	11
Boehringer Ingelheim AB	115
Bringwell AB (publ)	10
Bristol-Myers Squibb AB	201
Celgene AB	17
CSL Behring AB	14
DSM Anti-Infectives Sweden AB	114
E. Merck AB	124
Eisai AB	22
Eli Lilly Sweden AB	124
Galderma Nordic AB	36
Genzyme AB	16
Gilead Sciences Sweden AB	11
GlaxoSmithKline AB	192
Grunenthal Sweden AB	4

Company	Number of employees
Hospira Nordic AB	15
Institut Produits Synthése (IPSEN) AB	25
Janssen-Cilag AB	110
Life Medical Sweden AB	1
Medeca Pharma AB	5
Merck Sharp & Dohme (Sweden) AB	150
Mylan AB	25
Norgine Sverige AB	3
Novartis Sverige AB	150
Nutricia Nordica AB	24
Nycomed AB	45
Octapharma Nordic AB	49
Orion Pharma AB	54
Orphan Europe Nordic AB	5
Otsuka Pharma Scandinavia AB	14
Pfizer AB	279
Pierre Fabre Pharma Norden AB	8
Quinnova Development AB	3
Roche AB	137
Sainac Pharma AB	0
Sanofi-aventis AB	193
SantenPharma AB	10
Schering-Plough AB	157
Serono Nordic AB	0
Servier Sverige AB	26
Shire Human Genetic Therapies AB	18
Swedish Orphan AB	10
Takeda Pharmaceuticals Nordics AB	1
Ucb Pharma AB (Sweden)	13

BIOTECH TOOLS AND SUPPLY M&S

Company	Number of employees
A H diagnostics AB	10
Agilent Technologies Sweden AB	60
Applied Biosystems Sweden AB	0
AXEB AB	2
BD Biosciences	63
Beckman Coulter AB	34
Bergman Labora AB	22
BioNuclear Scandinavia AB	1
Bio-Rad Laboratories AB	65
Biotage AB	1
Biotage Sweden AB	72
Brookhaven Instruments AB	3
Bruker AXS Nordic AB	11
Bruker BioSpin Scandinavia AB	9
Bruker Daltonics Scandinavia AB	8
Bruker Optics Scandinavia AB	4
Cellab Nordia AB	4
Chemalys Scientific AB	1
Chemical Instruments AB	7
Dalco Chromtech AB	7
Hettich Labinstrument AB	9
ImmunKemi F&D AB	3
Ingenix Pharmaceutical Services (Sweden) AB	28
Inovata AB	1
Invitrogen AB	6
JEOL (Skandinaviska) AB	15
KAGAKU ANALYS AB	3
Krüger Akvapur AB	8
Lab Vision AB	2
Labglas AB	2

Company	Number of employees
Labinova	3
Labinova AB	1
Laboratory Appliances & Biosystems Sweden	4
LabRum Klimat AB	6
Leica Microsystems AB	20
Magellan Instruments AB	1
Malvern Instruments Nordic AB	14
MediQip AB	1
Mettler-Toledo AB	87
Millipore AB	8
Ninolab AB	0
Noax Lab AB	3
Nordiag AB	6
Nordic Biolabs AB	18
Nordic Biosite AB	9
Novakemi AB	3
NTK Kemi AB	2
PerkinElmer Sverige AB	23
Qiagen AB	24
Reaction lab Sverige AB	2
ScandInovata AB	2
Solveco AB	6
Spectral Solutions AB	0
TdB Consultancy AB	2
Varian AB	12
Waters Sverige AB	63
Verotech AB	0
W-M Alitea AB	31
VWR International AB	146

MEDTECH M&S

Company	Number of employees
3M Svenska AB	175
AB bioMérieux	38
Agfa-Gevaert AB	42
Allytec AB	5
Almedo AB	5
ArthroCare Europe AB (publ)	41
B. Braun Medical AB	42
BK Medical AB	6
Cardinal Health Sweden 314 AB	18
Carl Zeiss AB	66
Cogmed Sverige AB	3
ConvaTec AB	26
Covidien Sverige AB	88
C-Rad AB	4
Dardel Medical AB	1
Dicamed AB	2
Dolema AB	4
Doxa Dental AB	0
Dräger Medical Sverige AB	27
ev3 Nordic AB	6
Fresenius Medical Care Sverige AB	24
GE Healthcare AB	9
GE Healthcare Information Technologies AB	54
GE Medical Systems Sverige AB	90
Hollister Scandinavia	0
Höjmed AB	1
IBA Dosimetry AB	27
IM-Medico Svenska AB	5
Infiniti Medical AB	9
Inverdia AB	3
Item Development AB	6
Johnson & Johnson AB	283
Karl Storz Endoskop Sverige AB	25
KCI Medical AB	18
Kungshusen Medicinska AB	10
L&B Medical AB	5
Laerdal Medical AB	8
Lighthouse Medical AB	0

Company	Number of employees
Limedic AB	3
Link Sweden AB	15
Macopharma Nordic AB	4
Maquet Nordic AB	12
MEDCORE AB	8
Medela Medical AB	13
Medicolle AB	2
Medinor AB	18
Mediplast AB	100
Medtronic AB	89
Medtronic Synectics AB	0
MEQVI AB	2
Merivaara AB	5
Meteko AB	16
Micro System Sweden AB	2
Nordicinflu Care AB	25
Nucletron Scandinavia AB	38
Octacare AB	0
Olympus Sverige AB	69
Operations Instrument AB	6
OrtoWay (fd Ortoviva AB)	0
OSSANO Scandinavia AB	3
Progressus Medica AB	0
SALCOR AB	1
Salusa Medical AB	1
Scandivet AB	6
Science Imaging Scandinavia AB	3
Scientific Medical Systems AB	0
Smiths Medical Sverige AB	21
St. Jude Medical Sweden AB	30
STERIS AB	2
Stille AB	47
Sunnex Tillquist AB	28
Synthes AB	35
Tegnér AB	4
Urgentum AB	1
Vingmed Svenska AB	26
Vitatron Sweden AB	0

DIAGNOSTICS M&S

Company	Number of employees
Dako Sweden	3
DiaSorin AB	18
DIASPEC, Diagnostikspecialisten i Stockholm	4
DNA Guide Europa AB	8
Frontline Diagnostics AB	0
H.E. Eriksson AB	6
IntraMedic AB	7
Jige-Teknik AB	1
Medirox AB	8
Meditech Sverige AB	1

Company	Number of employees
Orion Diagnostica ABet	12
Philips AB Division Medicinska System	0
RGB Technologies AB	0
Roche Diagnostics Scandinavia AB	80
Siemens Healthcare Diagnostics AB	29
Sigma-Aldrich Sweden AB	39
SynMed Medicinteknik AB	5
Triolab Nordic AB	0
Vidilab AB	5

This publication is based on a research report from the Centre for Research on Innovation and Industrial Dynamics (CIND) at Uppsala University that will be published separately.

The reference group for this study includes the following life science development organizations:

Stockholm-Uppsala Life Science: Stockholm-Uppsala Life Science markets this most innovative and productive life science region globally. www.suls.se

Stiftelsen Flemingsberg Science: The mission of this foundation is to develop Flemingsberg as a knowledge city. www.flemingsberg.se

Stockholm Science City Foundation: The mission of Stockholm Science City Foundation is to attract academia and business within Life Sciences to the area Stockholm Life. www.ssci.se

Uppsala BIO: Uppsala BIO is a life science pathfinder that develops programs to make life science flourish in close cooperation with industry, academia, society and healthcare. www.uppsalabio.se

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