



Umeå

# UMEÅ LIFE SCIENCE CITY

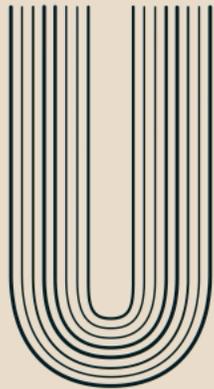


# UMEÅ LIFE SCIENCE EXECUTIVE SUMMARY

“UMEÅ IS A PLACE FOR LIFE CHANGING IDEAS AND CO-CREATION, PUSHING THE LIMITS IN LIFE SCIENCE AND BIOTECH. A COLLABORATIVE AND HIGHLY COMPETENT ENVIRONMENT – CREATING NEW SOLUTIONS, PRODUCTS AND ENTERPRISES.”



\*Green capital finalist 2015, 2016, 2017. European Capital of Innovation runner up 2018.



Umeå

## THE LIFE SCIENCE SCENE

Umeå offers world-class science and a great number of skilled people in the Life Science industry. The **academic and industrial excellence** stands out in areas like infection, cardiovascular, neurology and oncology. In 2020, Emmanuelle Charpentier was awarded the **Nobel Prize** for CRISPR-Cas9 research at the University of Umeå.

### FACTS

+60 companies  
1 200 employees  
12 000 MSEK turnover  
Steady expansion  
UBI; ranked as one of Europe's Leading Start-up Hubs in 2024

## COLLABORATIVE CLUSTER

Umeå has state-of-the-art research facilities, and a highly rated Life Science cluster, ideal for creative, new companies looking for **qualified staff and partners**. All signs point to a continued positive trend, with an increasing number of companies and employees.

**Fields with identified growth potential:** Data-driven Life Science, In Vitro Diagnostics, and CBRNE

### TARGETS

2 000 employees  
18 000 MSEK turnover  
Organic growth  
New establishments

## ACCESS TO BRILLIANCE

The world leading Life Science education at Umeå University and the highly ranked University Hospital of Umeå provides **direct access to invaluable knowledge and R&D**.

- Bachelor Programme in Life Science
- Master of Science in Biotechnology
- Genetics, molecular biology, neurology.
- No 1 in Sweden in infections biology.

### FIGURES

34 000 students  
4 300 employees  
500 clinical researchers  
1 000 publications per year

## ROOM FOR GROWTH

Umeå presents unique opportunities for establishment, with **available land**, renewable energy with high capacity, and clean water. **Top-tier logistic solutions** and the strategic location makes Umeå an appealing choice for business establishments.

Umeå offers a healthy, **sustainable, and comfortable life**, with a wide variety of outdoor and cultural activities. It is also safe, with low crime rates and high levels of trust.

**“UMEÅ IS A PLACE FOR LIFE CHANGING IDEAS AND CO-CREATION, PUSHING THE LIMITS IN LIFE SCIENCE AND BIOTECH. A COLLABORATIVE AND HIGHLY COMPETENT ENVIRONMENT – CREATING NEW SOLUTIONS, PRODUCTS AND ENTERPRISES.”**



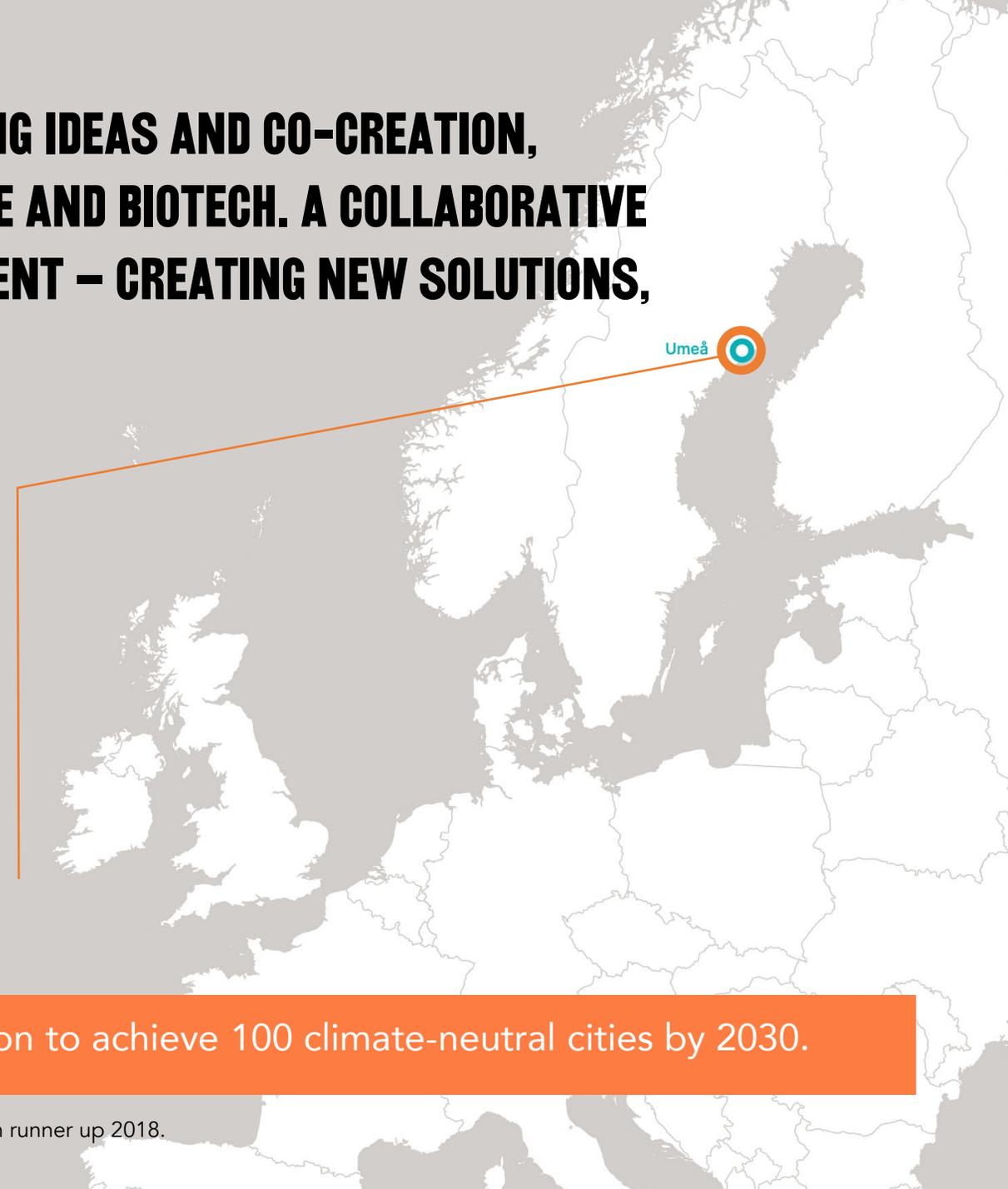
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## **EUROPEAN IMPACT**

European Capital of Culture  
European Green Capital\*  
European Capital of Innovation\*  
European Smart City Lighthouse

Umeå is also selected for the EU mission to achieve 100 climate-neutral cities by 2030.

\*Green capital finalist 2015, 2016, 2017. European Capital of Innovation runner up 2018.



# UMEÅ LIFE SCIENCE

## THE SCENE TODAY



- +60 companies
- 1 200 employees
- 12 000 MSEK turnover
- Steady expansion/development
- UBI; Ranked as one of Europe's Leading Start-up Hubs in 2024\*

(Data based on statistics from 2022)

Umeå's Life Science scene has developed massively over recent years, thereby gaining international interest. Life Science professionals from all over Sweden are turning their heads to the north.

With world-class science and a great number of skilled people in the industry, there are good reasons they should! Umeå provided crucial and life-saving expertise to enable the development of the Covid-19 vaccines. Umeå continues its academic and industry excellence in the areas of infection, cardiovascular, neurology and oncology.



Emmanuelle Charpentier was in 2020 awarded the Nobel prize for CRISPR-Cas9 research at Umeå University. Research that has revolutionized and accelerated development of new medicines.



Products from Cytiva contribute to the production of a large part of the insulin sold globally.

**“ UMEÅ IS A GROWING FORCE IN THE WORLD OF LIFE SCIENCE, WITH GREAT OPPORTUNITIES FOR CREATIVE COMPANIES TO DEVELOP.**

\*Europe's Leading Start-Up Hubs is a special report created by The Financial Times, in partnership with Sifted and Statista.



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# FOR CREATIVE COMPANIES IN SEARCH FOR TALENT

## A PLACE OF EXPANSION AND COLLABORATION

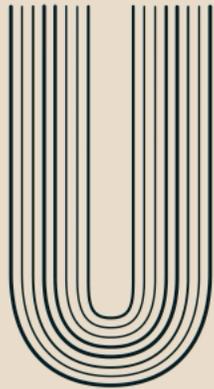
Umeå has a highly rated Life Science cluster, ideal for creative, up-and-coming companies looking for both qualified staff and partners.

All indications suggest that the trend will continue in a positive direction, with a growing number of companies and employees.

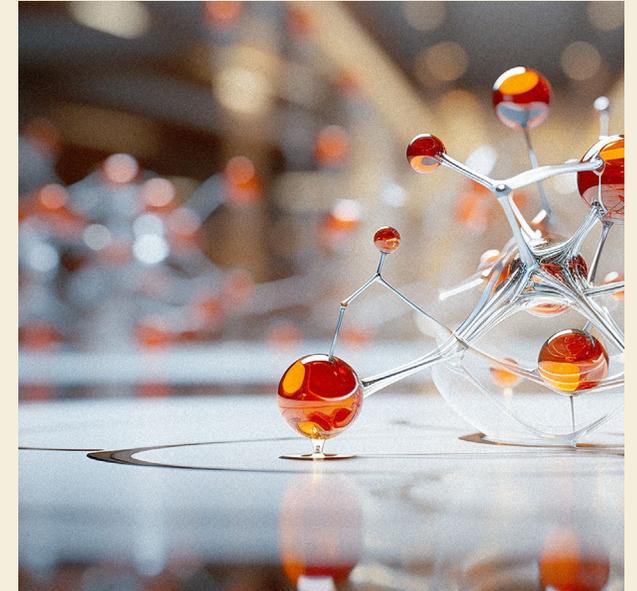
## UMEÅ LIFE SCIENCE: TARGETS FOR 2030

- 2 000 employees
- 18 000 MSEK turnover
- Organic growth and new establishments

“ DATA-DRIVEN LIFE SCIENCE AND IN VITRO DIAGNOSTICS ARE EXAMPLES OF AREAS WHERE NEW ACTORS WILL COMPLEMENT THE CURRENT MIX OF COMPANIES.



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# WORLD LEADING CBRNE-CLUSTER

## STATE-OF-THE-ART RESEARCH FACILITIES

- **The Swedish Armed Forces and the Swedish Defence Centre (SkyddC):** Knowledge center with world-unique test facilities for training and educating national and international personnel
- **Swedish Defence Research Agency (FOI):** Unique facility for research, development, and testing in the CBRN-field
- **The European CBRNE Centre at Umeå University:** World leading research with strong links to the EU and the rest of the world

## IDENTIFIED VALUE CHAIN SYNERGIES

- Sensors and measuring instruments
- Biosensors and sampling technology
- Filters
- Protective suits
- Gloves for handling toxins
- Protective masks
- Detection instruments and decontamination equipment
- Vehicle adaptation for protection against toxic gases, compartment separation, and decontamination

“ **ESTABLISHMENTS IN CBRNE-RELATED TECH OR MANUFACTURING WOULD COMPLEMENT AND MUTUALLY BENEFIT ONGOING RESEARCH AND TESTING.** ”



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# CLOSE ACCESS TO BRILLIANCE

## WORLD LEADING LIFE SCIENCE EDUCATION AT UMEÅ UNIVERSITY AND SLU

- 34 000 students and 4 300 employees
- Comprehensive university
- World leading programs
- Bachelor Programme in Life Science
- Master of Science in Biotechnology

## WORLD CLASS SCIENTISTS AND FACILITIES

- Molecular Infection Medicine Sweden
- Wallenberg Centre for Molecular Medicine
- Umeå Centre for Microbial Reserach
- Umeå Plant Science Center
- Translational Research Centre
- Chemical Biology Consortium Sweden
- Nuclear Magnetic Resonance Centre
- Umeå Centre for Electron Microscopy
- PREDICT Biobank

More on:  
[www.umu.se/en/research/groups/cu4ls/](http://www.umu.se/en/research/groups/cu4ls/)

## Acknowledged R&D expertise

- Genetics, molecular biology and neurology.
- No 1 in Sweden in infections biology
- Experts on neurodegenerative diseases
- Successful research areas: diabetes cures, cancer, global health



## UNIVERSITY HOSPITAL

- Highly ranked University Hospital
- Around 500 clinical researchers
- Education for all healthcare professionals
- Large oncology center
- 1000 publications per year
- Northern Sweden's largest workplace

5 700 Employees  
34 000 Students

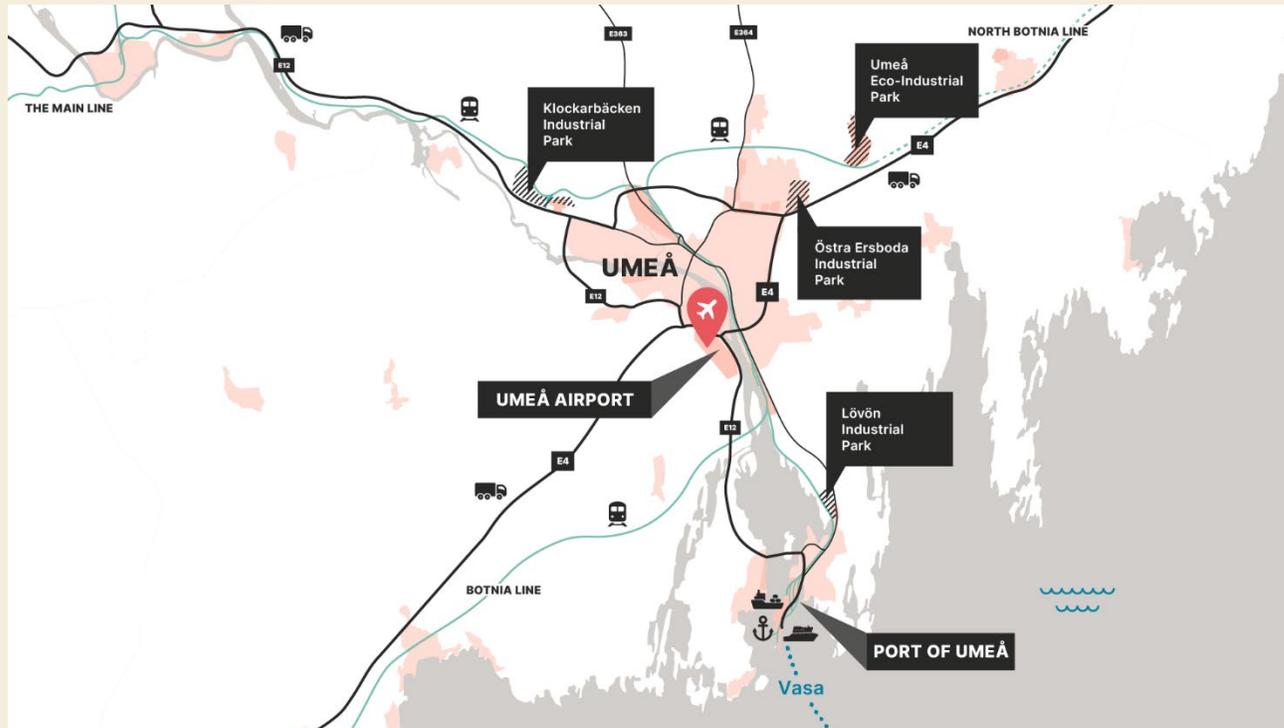
## MASTER'S PROGRAMMES:

- Molecular Biology
- Plant Biotechnology
- Biotechnology
- Chemistry

**“ UMEÅ OFFERS UNIQUE OPPORTUNITIES FOR ESTABLISHMENT, WITH AVAILABLE LAND, RENEWABLE ENERGY WITH HIGH CAPACITY, AND CLEAN WATER.”**



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Available land with top-tier logistic solutions in a strategic location makes Umeå an appealing choice for new business establishments. Umeå's accessibility and transportation networks support its role as an important hub in northern Sweden.

**UMEÅ IS THE CENTRE FOR NORTHERN ACCESS, THE INTERMODAL LOGISTICS HUB IN NORTHERN EUROPE.**



# THE UMEÅ EXPERIENCE

“Umeå checks all the boxes when it comes to possibilities for a healthy, sustainable, and comfortable life, with a wide variety of outdoor and cultural activities at hand.”



**LIVING, WORKING AND  
TURNING SMART IDEAS  
INTO BUSINESS.**



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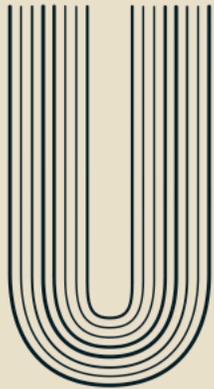


## A SAFE AND HEALTHY LIFESTYLE

“Umeå is safe, with low crime rate and high levels of trust. Umeå has one of the most environmentally friendly people in Europe and the city is committing to climate neutrality.”

## THE PEOPLE AROUND YOU

The atmosphere in Umeå is commonly known for being teamwork-oriented, ideal for co-creating synergies and beneficial for early adopters in several fields. The ideal environment for new ideas and products.



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# UMEÅ IS MAKING AN IMPACT IN LIFE SCIENCE

These are testimonials from business leaders and innovators with personal experiences of Umeå.

## “EXCELLENT CONDITIONS FOR DEVELOPING OUR BUSINESS”

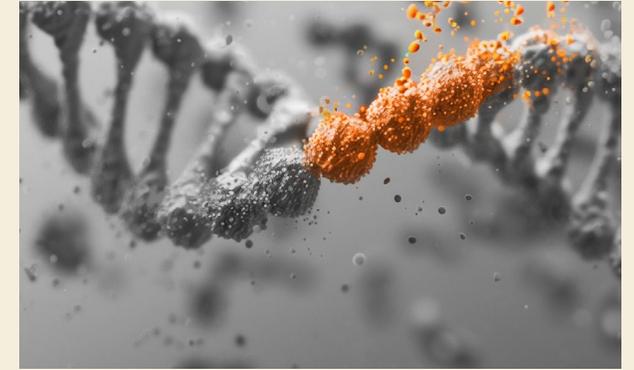
Umeå is a dynamic and fast-growing Life Science hub in Sweden. The proximity to the university, the very active Life Science community in the city and the commitment from a wide range of stakeholders and decision makers, present exciting opportunities, and excellent conditions for us to develop our business in Umeå.

- **Erik Haeffler, CEO at APL** – Europe’s leading company for pharmacy compounding and an established CDMO enterprise

“As a global biotechnology company, Umeå’s proximity to a well-established life sciences infrastructure make it an ideal location for our business.”

–Sara Lagerfeldt, VP Operations, Cytiva

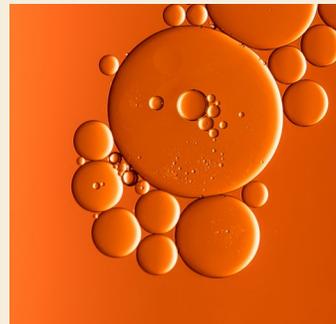
- At **Cytiva**, we’re driven to use our expertise and talent to achieve better flexibility, capacity, and efficiency for our customers in the life sciences.



“Umeå is very special to me. I owe a lot to the place that has been very inspiring for me, for my team and my research”.\*

- **Emanuelle Charpentier** – awarded the Nobel prize in Chemistry 2020

\*Source: Umeå University, 2022



## “DIGITAL SOLUTIONS AND AI”

In Umeå, having two strong Universities, Sartorius found the perfect location to access exceptional talent and creative minds. Together, we use digital solutions and AI to accelerate scientific discoveries in life science and provide more affordable therapies for millions of people around the world.

- **Prof. Dr. Johan Trygg**, Corporate Research, Sartorius



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