

UMEÅ

LIFE SCIENCE CITY

Get to know the growing sector in Umeå

Agrisera
Forest Data Group

apl

Arvo

cytiva

DIAMYD
MEDICAL

FOI
Forskning och
Innovation

HILOPROBE

KNIGHTEC

LIPUM

NORDIC
BIOMARKER

Orderly People

SARTORIUS

SweTree Technologies
Innovators in Forest Biotechnology

SPINCHEM

ELU HOLDING

UmanDiagnostics
A Qimera Company

UMEÅ UNIVERSITY
Umeå School of
Biotechnology

UMEÅ BIOTECH
INCUBATOR



Umeå Municipality targets 500 new Life science jobs



Photo: Fredrik Larsson /Visit Umeå

Life science has become a priority growth target for Umeå Municipality, which is working strategically to encourage life science companies to establish themselves in the region.

The municipality aim to grow to 200,000 inhabitants by 2050. It's Business Development Office has been specifically tasked with expanding the region's life science industry, with a goal of increasing the number of people employed in the life science sector from 1,200 to 2,000 by 2030.

One of the keys to growth is to attract more major life science companies to Umeå.

The municipality is currently working on a strategy called 'Umeå Life Science City', aiming to increase opportunities for more and larger external companies to establish in the city.

"Umeå has enormous potential with an infrastructure that really stands out in Sweden. We can offer land,



electrical power and clean water. In addition Umeå is an excellent logistics and transport hub via road, rail, boat and air, both north to south and east to west", says Peter Juneblad, Business Director, Umeå Municipality.

It's no coincidence that the municipality is targeting the life science sector. Umeå University is a huge academic asset and has led the way for many years with cutting-edge research in life sciences. Prominent researchers at the city's university attracted a lot of attention during the pandemic, while Emanuel Charpentier won the Nobel Prize for Chemistry in 2020.

"The university is a knowledge and competence bank

for companies. We have an outstanding research infrastructure with several national research centers. In addition we have both small and large companies here in Umeå, a dynamic collaborative climate, world-class incubators and a university hospital with a track record of excellence in clinical research, which is important for many life science companies", says Peter.

Part of the 2050-vision includes creating an inclusive city that promotes diversity.

"We aim to offer stimulating and relevant career paths, both for students after completing their education and for well-educated partners of researchers who move here. The life science industry in Umeå is also an equal opportunities industry, with many women in senior positions – which harmonizes with our own values".

Umeå municipality is working closely in consultation with the local community

“ The life science industry in Umeå is an equal opportunities industry

and Business Sweden to package its offering.

"Business Sweden represents Sweden globally, has a cutting-edge life science knowledge and a holistic view of Sweden which makes them an excellent resource", says Peter Juneblad and concludes:

"We are looking for both production facilities and research-related companies. The goal is for a facility with 500 new jobs to establish itself in Umeå – but companies of all sizes are more than welcome. It's beneficial for the region's ecosystem with a mix of small and large businesses, and that growth is both organic and stimulated by new businesses moving to the area".

“ We are looking for both production facilities and research related companies.

3 ways to learn more about the Life science community in Umeå



1

Follow Umeå Biotech Incubator on LinkedIn. We update with the latest news from both the industry, academia and UBI. You will also get updates on seminars and events organized by UBI.

2

Life science research have been strong in Umeå for over 40 years. It is versatile, interdisciplinary and of high scientific competence. The Coalition Umeå for Life Science (CU4LS) at Umeå university is highlighting the strengths

3

and richness of the research and the infrastructure available at Umeå University. [Check out their webpage with valuable links to research units and infrastructures available at the university.](#)

We have compiled a list at www.ubi.se with life science companies in the Umeå region. Scan the QR code to discover what life science Umeå has to offer.

UBI are experts on commercialization

Umeå Biotech Incubator is Sweden's only life science incubator, established by rebellious scientists. UBI offer facilities, know-how, high value network and financing.

Since 2003 we have provided internationally competitive services for verification and development of innovations in the life science field.

The UBI staff is a small, dedicated team of professionals who understands the key ingredients for commercialization of life science ideas.

What do we look for? Solutions that meet real needs and evidence to



back up your idea. We help you identify the needs of the customers and market, and evaluate the scientific data, to ensure that our resources are invested in the ideas with highest quality and best potential.

Our support includes:
• Pre-seed financing to verify the business idea.

• Labs (!) and office space.
• An experienced business coach.
• Relevant training in fields of leadership, entrepreneurship and team development.

Contact the Innovation Office at UmU or UBI if you are interested in investigating the potential of your innovation.

UBI is more than an incubator though! Our regional development project ("Life Science City") aims at fostering the growth of the life science sector in Umeå. Events like this Fair, and the Life Science Pub, under this project, are designed to build bridges and encourage collaboration.

Sartorius develops software with multidisciplinary approach

1. Petter Sundqvist, Manager of HR Sweden at Sartorius, tell us a little about what do you do at your company.

"In Umeå, Sartorius develops software for the biopharmaceutical industry to accelerate the development and reduce the cost manufacturing of biological drugs. These types of drugs have achieved remarkable results for patients suffering from life-threatening cancers and chronic diseases. However, developing these drugs is a complex and risky process and only one out of 10,000 new drug candidates is approved in the end and reach the market. Consequently, the cost for these drugs is extremely high and not at all sustainable.



” In Umeå, our software solutions use AI/ML and data driven approaches to provide affordable therapies.

In Umeå, our software solutions use AI/ML and data driven approaches to provide affordable therapies for millions of people around the world.

2. What kind of skills are you looking for - right now and in the future?

"Particularly - scientists and engineers that want to work multi-disciplinary in the interface of Data, Engineering and Biology, or have aquired skills and expertise from all three domains.

Much of the work in de-

veloping new algorithms, simulations, mathematics and engineering solutions requires a multi-disciplinary approach, working across topics, teams and cultures.

Listing relevant degrees - include Engineering Physics, Chemometrics, Computer Science, Statistics, Applied Mathematics, Computational Biology, Computational Chemistry, Physics, related technical discipline, or relevant practical experience."

3. Can you describe the professional growth and development paths available at your company?

"Sartorius is part of the solution in the fight against cancer, dementia, and many other diseases.

We are looking for you who share our ambition to develop data-driven modeling, simulation tools, robotics, automation and process control solutions to help translate scientific discoveries into real-world medicine faster - so that new

therapeutics can reach patients worldwide.

We continue to look for ambitious team players and creative minds, who want to contribute to this goal and advance their careers in a dynamic global environment.

We understand that the combination of diverse perspectives leads to a better understanding of our customers and to more innovative solutions".



Inflammatory focus for Lipum

1) Pernilla Abrahamsson, COO, tell us a little about what do you do at Lipum?

"Lipum is a clinical-stage biopharmaceutical company specialising in the development of new treatments for chronic inflammatory diseases.

The lead candidate SOL-116 is a humanised antibody that aims to provide safer and more effective treatment by targeting a previously overlooked target molecule (BSSL) in the immune system. The Company's lead candidate SOL-116 is being evaluated in an ongoing clinical phase 1 study".

2. What kind of skills are you looking for - right now and in the future?

"In the future we will continue to need people who have extensive experience of laboratory work, clinical trials, market and business development".

3. Can you describe the professional growth and development paths available at your company?

"Since we are a small



company, this provides a unique opportunity for our employees to gain hands-on experience and contribute to various areas. We encourage a culture of continuous learning.

As we grow, there are chances for individuals to take on new responsibilities and advance in their careers within the company".

” We’re looking for people with experience of laboratory work, clinical trials, business and market development.

The innovative journey starts here

1. Evelinn Carlsson, communicator, tell us a little about what do you do at the Innovation office at Umeå University?

"Our job is to help researchers, students and employees take their ideas and research findings and turn them into useful things. This could be new products, methods, services or processes. We provide support to explore these ideas and guide them through the process of becoming real-world innovations.

It doesn't matter what area you're from - we're here to help you make your ideas a reality".

2. What kind of skills are you looking for - right now and in the future?

"We welcome individuals with ideas and the drive for entrepreneurship. Our goal is to empower and support these innovators, providing the resources and guidance needed to bring their ideas to life".



3. Can you describe the professional growth and development paths available at your company?

"We provide ample opportunities for personal and professional growth, particularly for those interested in entrepreneurship.

Through mentorship, training, and networking, individuals can develop their skills and advance along their entrepreneurial journey".

Guide - The innovation system at Umeå University

There are three incubators connected to UmU: eXpression (Art), Umeå Biotech Incubator (Life science) and Uminova Innovation (Tech).



Umeå University Holding is the majority owner of all three incubators including the Innovation Office.

Innovation Office is the first step. You bring your idea/research here for a primer evaluation of your data with specialized advisors for all areas.

If your idea has a commercial

potential, it is then channeled, depending on the subject, to one of the three incubators where the start-up journey continues.

#Are you from SLU? Check out the interview with Sofia Mayans, SLU Holding, on page 7.

APL has a social mission from the Swedish government

1. Jonas Gullberg, Head of Department QC, tell us a little about what do you do at APL?

"Apotek Produktion & Laboratorier AB (APL) is one of Europe's leading companies manufacturing extemporaneous medicines and stock preparations. We have a social mission from the Swedish government. The social mission also includes preparedness to maintain operations in crisis situations.

We are also an established contract manufacturer within Life Science industry, where we deliver services within development and analysis. With more than 500 employees and four manufacturing units in Stockholm, Gothenburg, Malmö and Umeå, we develop medicines that improve and save lives. Our vision is that we make a difference for patients with special needs".



2. What kind of skills are you looking for - right now and in the future?

"APL strives to be an attractive employer and our goal is to have a high level of competence within the company. APL offers great flexibility, development opportunities and varied tasks to continuously increase the employees' experience. Within APL, we have prescriptions and licensed pharmacists as well as pharmaceutical technicians".



3. Can you describe the professional growth and development paths available at your company?

"All employees with us have an individual development plan and clear goals that are conti-

At APL we have prescriptions, licensed pharmacists and pharmaceutical technicians.

nuously followed up. This gives everyone the opportunity to influence their own situation and contribute to our common development.

We actively encourage internal mobility, and all

positions are advertised internally.

In all locations there is the opportunity to get involved in our health care groups and take part in various local types of health care activities.

Of course, we have a collective agreement (Unionen and Akademikerförbundet) with associated benefits".



Bring your idea or join a start up at SLU Holding

1. Sofia Mayans, Senior Innovation & Business Advisor, tell us a little about what do you do at SLU Holding?

"We provide innovation support to students, researchers and employees of SLU. We help our clients to bring their research, ideas and innovation to the society. Our vision is that together with SLU we create innovations for a sustainable world".

2. What kind of skills are you looking for - right now and in the future?

"We are always looking for individuals with an entrepreneurial mind-set willing to take a leap and work on their own idea. We are also constantly looking for individuals who could fill a competence need found in our different projects. Skills could be project planning, sales, coding etc".

3. Can you describe the professional growth and development paths available at your company?

"SLU Holding is looking for team members to fill a need in an existing teams. If such need is a person who at first is e.g. a project leader taking care of the business part of the project this person could grow into a CEO in the future. This particular example shows that the first position you get in a start-up can grow into something else and this is the beauty of working with start-ups".



HiloProbe looking for laboratory skills



1. Lina Olsson, CEO, tell us a little about what do you do at HiloProbe?

"HiloProbe is a small company based on research from Umeå University, Umeå University Hospital and Helsingborg Hospital.

HiloProbe have developed an in vitro diagnostic kit, ColoNode, for lymph node analysis in colorectal cancer. We work with the sales and production of ColoNode, the maintenance of ColoNode Software, product development (ColoNode and new products), ColoNode analyses for clinical studies, quality and much more. We hope that ColoNode will improve treatment after surgery and our main goal is to give more patients the opportunity to live".

2. What kind of skills are you looking for - right now and in the future?

"In the future we are looking for personnel with laboratory education and experience as the foundation of products in the company is based on laboratory work. In addition,



Our main goal with ColoNode is to give more patients the opportunity to live

we are also looking for personnel who has experience within quality work for in vitro diagnostics".

3. Can you describe the professional growth and development paths available at your company?

"There are opportunities to start with certain types of tasks and then continue to develop further into others. For example, some of our current personnel started running analyses with ColoNode in clinical studies during their first year and now one is production manager and one is a product specialist. The tasks are also usually varying and the collaboration within the team is strong".



Arevo aim to help farmers worldwide

1. Niklas Ågren, CEO, tell us a little about what you do at Arevo?

"Arevo is a Umeå-based company that develops new products within the agricultural, horticultural and forestry sectors. Our ambition is to help farmers worldwide to achieve better growth with less negative impact on the environment. Our roots spring from the Swedish University of Agricultural Sciences and are based on the award-winning research of Professor Torgny Näsholm into how plants can use amino acids as natural sources of organic nitrogen.



Our precision nutrition combines strong growth and stress resistance with sustainability and simplified cultivation.

Arevo's concept is fundamentally different compared to conventional fertilizers. The purpose is not to fertilize plants, but instead to stimulate root growth by harnessing nature's own processes".

2. What kind of skills are you looking for - right now and in the future?

"We are looking for three business developers within horticulture, agriculture, and forestry. We are also looking for a chemist, an agronomist and a senior plant pathologist/microbiologist for our R&D, and an operator to our production.

In the future? We are always open for spontaneous applications. For a growing company like us it is important to find competence that can bring value to our growth. It might be possible to create a new position for the right applicant".

3. Can you describe the professional growth and development paths available at your company?

"Working at a Arevo is a once in a lifetime opportunity to be part of building something. The possibilities for personal growth are almost endless for the right person.

We are a development-driven company where individuals have plenty of room to grow. Short deci-

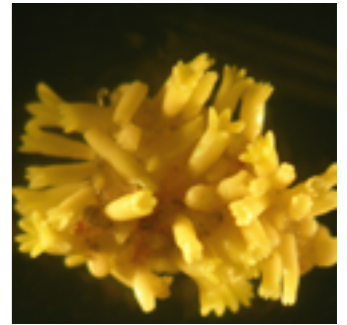


" We are looking for three business developers, a chemist, an agronomist and a senior plant pathologist/microbiologist and an operator to our production.

sion-making paths and a fast pace mean that one person's ideas can have a big impact.

There are good opportunities to shape your role, your tasks, your work environment, and your everyday life.

Perhaps the biggest perk at Arevo is working every day to solve one of the greatest environmental challenges for our planet - creating exceptional plant growth on nature's own terms".



SweTree Technologies creates forests of the future

1. Karin Johansson, COO, tell us a little about what you do at SweTree Technologies?

"We are an innovation and development company operating in the field of forest biotechnology, developing and introducing innovative technologies and products to the global forestry industry.

We work together with worldleading researchers, technology partners and influential customers to create the forests of the future".

2. What kind of skills are you looking for right now and in the future?

"We are primarily looking for people with knowledge of biotech-



" Some come directly from their educations but grow with the task and gain more responsibility pretty quickly.

nology, preferably with an interest in trees and plants. Experience from other laboratory environments and production environments may also be of interest. We think it is important to find the right personalities for our team with talented, sociable and experienced employees.

3. Can you describe the professional growth and development paths available at your company?

"We are a small company with around 20 employees and all of us

are valuable. Some come directly from their educations but grow with the task and gain more responsibility and knowledge pretty quickly and also get new positions with time, while others are hired for their specific knowledge in an important area that we need, and work as senior researchers directly.

We work with such specific processes so we have a lot of internal competence development at the company which gives our employees valuable competence".



Spinchem technology transforms industries globally

1. Emil Byström, CEO, tell us a little about what you do at SpinChem?

"We believe in a world where industrial waste is no longer a problem, where the oceans are clean, and the air is pure.

As the CEO of our company, my role is to lead a passionate team dedicated to developing innovative technologies that are revolutionising the transition to a greener world. Today, we export our solutions to 35 countries.

No two days are alike. Among other processes we collaborate with our customers to develop new processes for recycling plastic and capturing carbon dioxide from the atmosphere, which can be used as a building block for new products.

At the same time we are on the mission to reduce the nuclear waste in the world".



2. What kind of skills are you looking for - right now and in the future?

"In our journey to pioneer sustainable industrial technologies, we're actively seeking to enrich our team with individuals passionate about making a significant environmental impact.

Right now, we need:

- Mechanical Engineers who are creative and good at solving technical problems.
- Technical Sales Professionals

signals who can explain our tech's benefits to different customers, helping us sell more while spreading the word about being eco-friendly.

- Marketing Professionals who can tell our story online and get people excited about what we do.

We want team members who are ready to learn and grow with us, pushing towards a more sustainable future".

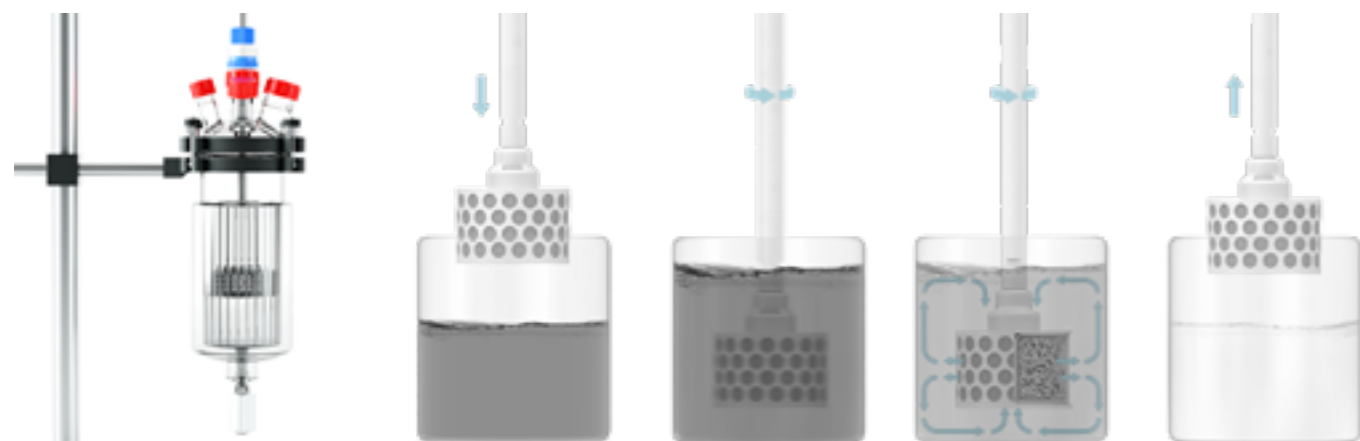
3. Can you describe the professional growth and development paths available at SpinChem?



Right now we need mechanical engineers, technical sales professionals and marketing professionals.

"We believe in always getting better, both as individuals and as a team. We support learning new things and taking on challenges that help us all move forward.

This way, we all contribute to our goal of making the world cleaner and greener, and everyone has the chance to grow in their career".



DIAMYD MEDICAL



Umeå unit plays a key role in Diamyd Medical's development

1. Maja Johansson, COO Manufacturing Site, tell us a little about what you do at Diamyd?

"We are a Swedish company with a manufacturing site in Umeå and the head office located in Stockholm. Diamyd Medical develops precision medicine therapies for the prevention and treatment of Type 1 Diabetes and other autoimmune forms of diabetes. Diamyd® (rhGAD65/ alum) is an antigen-specific immunotherapy for the preservation of endogenous insulin production.

Currently a Phase III trial with Diamyd® is actively recruiting patients with recent-onset Type 1 Diabetes in eight European countries and in the U.S. In U.S. Diamyd® has Orphan Drug Designation as well as Fast Track designation.



In Umeå a biomanufacturing facility is established to manufacture recombinant GAD65 protein, the active ingredient in the anti-gen-specific immunotherapy Diamyd®. The process is based on a baculovirus-insect cell expression system, and rhGAD65 is purified via several steps including e.g. chromatography and Tangential Flow Filtration (TFF).

The site comprises of clean rooms, laboratories, warehouse and office space. The staff at the facility are experts in e.g. cell cultivation, protein purification and quality, especially Good Manufacturing Practice (GMP).

We are in an active phase of expanding our workforce in Umeå with key competences".

We are in an active phase of expanding our workforce in Umeå with key competences.

2. What kind of skills are you looking for - right now and in the future?

"Currently, we have several open positions for Upstream Process Engineers, Downstream Process Engineers and for a GMP Quality Assurance (QA) Specialist.

For these positions a life science university education or long experience of working in the life science industry is required. More specifically, practical experience with cell cultivation, large scale protein purification, and previous work in a

quality-controlled operation is desirable.

In the future, personnel combining life sciences and computer systems knowledge, laboratory personnel specialised in analytical and bioanalytical methods, and process engineers will be hired.

Previous experiences with validation of: computerized systems, equipment, analytical methods, and/or manufacturing processes are particularly desirable.

3. Can you describe the professional growth and development paths available at your company?

"Diamyd Medical operations at the Umeå manufacturing site is constantly developing and there will be simultaneous opportunities for staff development".

Variety of competences needed at Nordic Biomarker

1. Malin Walfridsson, R&D Director, tell us a little about what do you do at Nordic Biomarker?

"Nordic Biomarker is a biotech company completely focusing on diagnosis of coagulation diseases. We produce reagents that are used at hospital laboratories to help diagnose patients with suspected coagulation diseases or to monitor certain coagulation related drugs. Examples of assays that we provide are reagents to perform an overall assessment of the coagulation status of the patient and reagents that are used to determine if the patient has a thrombosis (blood clot), a certain bleeding disorder, or a deficiency that gives an increased risk for thrombosis.

At Nordic Biomarker, we really know our products. We develop, CE-mark, manufacture, sell, and adapt our products to various coagulation instruments. This gives us a true advantage over competitors and is one of the most important factors for customers choosing us as their supplier. Of course, it also contributes to why Nordic Biomarker is a great place to work at!

Currently, we are around 70 people working at Nordic Biomarker. Most of us work at our two production sites in Umeå and Linköping, but we also have colleagues in Stockholm and Beijing".



"We CE-mark, manufacture, sell and adapt our products. This gives us a true advantage over competitors."



"Keep an eye on our webpage and our LinkedIn, where we publish all open positions."

2. What kind of skills are you looking for - right now and in the future?

"Since we work with all parts of placing a product on the market, we need a wide variety of competences. Regardless of if you love research, regulatory issues, antibody production, contact with customers, or producing and assuring a high product quality, you can find your next position at Nordic Biomarker.

Keep an eye on our webpage and our Linke-

dn, where we publish all open positions.

3. Describe the professional growth and development paths available at your company?

"We believe that professional growth is important to be happy at work and to stay committed. Skills development is a natural part of the job at Nordic Biomarker and can include both internal and external activities.

We organize lunch seminars where we teach

and inform each other of specific topics, we invite external speakers to hold educational sessions of for example quality management, we cooperate between departments, and we attend fairs and conferences to stay updated with the field.

We love to make internal recruitments when a new position opens up, it is important that the employees can grow together with the growing company!"



Knightec works with a broad client base

1. Lotta Edvinsson, senior consultant, tell us a little about what do you do at Knightec?

"Knightec is a consultancy company that serve as a strategic partner in product and service development. We are consultants in energy, digitalization, compliance and change management dedicated to help companies drive positive change to a more innovative and sustainable world. With around 1 000 employees in 10 different cities across Sweden, we work with a broad client base within industries such as automotive, defense, and MedTech".



"We have consultants from newly graduated to senior advisors with years of experience."

2. What kind of skills are you looking for - right now and in the future?

"We are currently looking for senior project managers as well as consultants with expertise in cybersecurity, compliance, and sustainability".

3. Can you describe the professional growth and development paths available at Knightec?

"At Knightec there are many ways to grow. There are great opportunities to

develop and gain valuable experience both by working in teams with your colleagues and through customer assignments. Our consultant's range in expertise, from junior associates that just finished their university studies to senior advisors with many years of industrial experience. As a consultant at Knightec, you are expected to set your own career goals and the company will support in your development regardless of where you start!"

Communicative academics wanted at Orderly People

1. Paola Diago, CTO/Senior Consultant, tell us a little about what do you do at Orderly People?

"Orderly People is a Life Science consultancy company. Our team comprises experienced and driven Medtech and Pharma consultants within Quality Assurance, Regulatory Affairs, Product- and Process Development, Production and Project Management. We have a positive culture and believe that commitment, professional growth, and meaningful change, drives great services to our customers.

We offer the skill and grit required to support our customers and help them to successfully deliver Medtech & Pharma products to the market efficiently and professionally. Orderly, reliable, thorough people. That's what we are.

2. What kind of skills are you looking for - right now and in the future?

"We're looking for ambitious and driven consultants with knowledge and the right personality to make a significant difference for the customers. You should have a can-do spirit, grit and never give up. At Orderly People you'll be able to develop professionally while contributing to our growth journey. You should have an academic degree within f.e medical technology, Chemistry, Biomedical science, pharmacist etc., be communicative and perceptive as you will be hired to



"You should have a degree within medical technology, chemistry, biomedical science, pharmacist etc."

help our clients with their challenges.

As a person, you shall be open minded and curious to try on different assignments within the Life Science industry and last but not least, you are looking for a fun job where each individual matters!

3. Can you describe the professional growth and development paths available at your company?

"Each individual consultant at Orderly People has both short- and long-term development plans, which is outlined together with their consultant manager. These individual plans consist of both a practical part (assignments) and theory (training). The goal is to make a plan that will help the consultant's individual professional development as well as to be in line with Orderly People's vision and goals".

Expanding Agrisera builds a new antigen laboratory

1. Evelina Höök, Development engineer, tell us a little about what do you do at Agrisera?

"We are a Life Science company established in Vännäs in 1985, that specializes in polyclonal antibody development, production, and purification. Changing environmental conditions has resulted in a larger need for more stress and pathogen resistant crops, as well as increased yields, to secure a sustainable food supply for Earth's growing population.

As the world-leading supplier of antibodies for plant and algal research, Agrisera provides antibodies to researchers dealing with these pressing questions, among many other. Our antibodies can be used with a wide range of model species and antibody techniques, and are cited in nearly a thousand scientific articles per year.

In 2020, Agrisera was acquired by Olink Proteomics, a rapidly growing Life Science company, committed to advancing the understanding of human diseases through proteomics.

Antibodies produced by Agrisera are a key component of Olink's high plex PEA technique, which allows thousands of proteins to be analyzed simultaneously, in just a droplet of fluid. The vital



role of proteins in understanding human biology has been recognized for many decades, but technological limitations severely restricted the comprehensive investigation of the huge number of proteins that could be important in different biological processes and diseases.

The PEA technique accelerates proteomics with precision medicine and

" We are recruiting personnel to laboratory work, IT, logistics, administration, finance and sales.

gives an understanding of real-time human biology".

2. What kind of skills are you looking for - right now and in the future?

"Agrisera's rapid growth allows for multiple job opportunities. We are continuously recruiting new personnel for positions in laboratory work, IT, logistics, administration, finance, and sales. The initiation of a new antigen production laboratory will require personnel highly

skilled in recombinant protein expression.

Follow us on LinkedIn or visit www.agrisera.com to keep track of current job opportunities".

3. Can you describe the professional growth and development paths available at your company?

"The laboratory work offers a dynamic workplace where you as an employee, among many things, could work in antibody purification, RnD, protein biochemistry, immunology, peptide antigen design, product development, recombinant protein expression, quality analysis and more. A growing worksite allows you to grow and developing new skills and cultivate your strengths along with it".



" We manufacture, test and deliver both small systems that fits the laboratory bench and large columns weighing 14 ton.

Cytiva looking for engineers and computer technologists

1. Johanna Axelsson, HR Coordinator, tell us about what Cytiva does?

"Cytiva is a global provider of technologies and services that advance and accelerate the development and manufacture of therapeutics. We operate in more than 40 countries and territories covering Europe, Asia, North and Latin America, and the Middle East.

Cytiva's vision is a world in which access to life-changing therapies transforms human health. Our mission to advance and accelerate therapeutics.

Cytiva is one of Umeå's largest employers with approximately 600 employees. Here we manufacture high-tech instruments and sys-



tems that are used for medical research and the production of vaccines, biological drugs and new cell and gene therapies for the treatment and combat of many diseases in the world, for example diabetes and COVID-19.

The systems we manufacture, test and deliver are everything from small systems that fit on the table in a laboratory to large columns weighing around 14 tons.

On the site, we also car-

ry out development and customer improvements as well as design and build customer-adapted systems for bioprocess".

2. What kind of skills are you looking for - right now and in the future?

"The skills we are looking for include engineers in electronics/computer technology, biotechnology, mechanical engineering, technical physics, industrial economics, and industrial design. Digitization is important to us, therefore we are also looking for competence in computer technology with a focus on 3D printing, interaction design and AI".

3. Can you describe the professional growth and

development paths available at your company?

"At Cytiva we never want to settle for how things are now, when they could be even better. The talent processes are in place to encourage development and growth within the company.

You are encouraged to challenge both yourself and the way we do things, to continuously improve for each other, our customers, and their patients.

We believe that you should be able to expand your skills and advance your career at Cytiva. That's why we foster a culture where it is ok to fail, and encourage everyone to jump on new opportunities, even if they are outside your comfort zone".

A global neurofilament detection leader in Umeå

1. Niklas Norgren, VP & Managing Director, tell us a little about what you do at UmanDiagnostics?

"We are an innovative in vitro diagnostics company specializing in fast and accurate diagnosis of neurological disease. Our main focus is diseases affecting the white matter such as Multiple sclerosis, Amyotrophic lateral sclerosis as well as Parkinson's disease and various dementias with Alzheimer's disease being the most prevalent disorder.

Our products are widely recognized by researchers, biopharmaceutical and diagnostics companies world-wide as the premier solution for detection of Neurofilament light to advance the development of therapeutics and diagnostics for neurodegenerative conditions.

We are a spin-off company from Umea University and a fully owned subsidiary of Quanterix Corporation Boston Massachusetts USA who through digitizing bio-marker analysis aim to



” In the future we will need additional resources specialized in regulatory and quality matters.

advance the science of precision health.

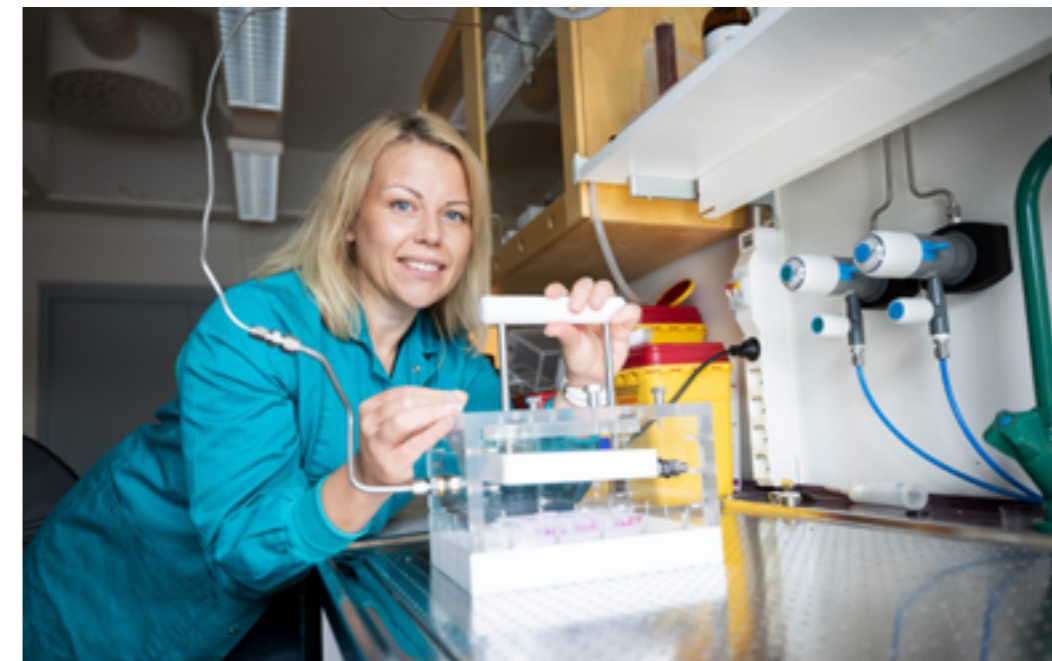
2. What kind of skills are you looking for right now and in the future?

"Due to the increased demand of our products we foresee a demand for people skilled in production and research and development.

We are looking for people with practical laboratory experience in the field of life science. In the future we will need additional resources specialized in regulatory and quality matters to continue to deliver high quality products according to current regulations".

3. Can you describe the professional growth and development paths available at your company?

"UmanDiagnostics is a relatively small company but we do have a full set of distinct roles, spanning from production to market and sales so there are great opportunities to grow and develop within the company".



FOI job includes laboratory work and field experiments

1. Anders Larsson, Research engineer at the unit for protection, tell us a little about what you do at FOI?

"FOI, the Swedish Defence Research Agency, is one of Europe's leading research institutes in defence and security and we have close co-operations with several other Swedish government agencies and as well as international partners. FOI is a government agency under the Ministry of Defence, and most of its activities are assignment-based.

FOI's CBRN Defence and Security Division, situated in Umeå, houses many of the country's leading experts on chemical, biological, radioactive and nuclear (CBRN) incidents.

The CBRN division focuses on a broad re-



search area to cover most aspects of how to detect-, verify- and protect ourselves from hazardous substances that can be used as weapons of mass destruction.

The division has a broad underpinning base of interdisciplinary competence in such fields as analytical chemistry, biochemistry, organic chemistry, toxicology, microbiology, bioinformatics, physics and computing science.

A large part of our work is carried out in a laboratory environment and we regularly conduct field

experiments".

2. What kind of skills are you looking for - right now and in the future?

"FOI is growing and we are regularly looking for various competences within the life science area. We employ in a broad area of life science, from analytical- and organic chemists to molecular- and microbiologists. We recruit newly graduated students as well as experienced engineers and postgraduate scientists".

3. Can you describe the professional growth and development paths available at your company?

"FOI offers a creative and stimulating environment where you will have the opportunity to develop your skills and knowledge in several work

” At FOI, you work with leading scientists and often in national and international cooperations.

areas within safety and security of hazardous substances. You will work together with leading scientists in these areas and often in national and international cooperation.

Approximately 40% of our employees hold a PhD. Most of our work is conducted in project form, which provides a good possibility of becoming a project manager.

There is also the possibility to advance internally to unit- and division manager".

Other companies to check out



Lipigon in clinical phase 2-study

Lipigon Pharmaceuticals develops new treatments for diseases caused by disruptions in the body's handling of fats – known as lipid-related diseases. Currently, Lipisense® is Lipigon's most advanced project, entering Phase II clinical trials in 2024. Founded in 2010 and listed since 2021.



Medicvent creates healthy environment

Medicvent develops, manufacture and promote products for the evacuation of air pollution mainly within the hospital care environment, aiming to secure the working environment for health care staff and improve the external environment. Founded in 1983. Since 2015, fully owned by Sdip-tech AB.



QureTech Bio fight antibiotic resistance

Develops new antibacterial agents that targets different infectious diseases including healthcare-associated infections and tuberculosis. The lead program focusing on developing a new class of antibiotics effective against multidrug resistant Gram-positive bacteria.



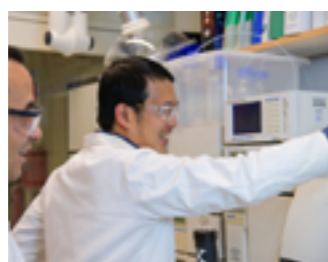
Plasminogen a key in Omnio's business

Omnio develops new drug products based on the pro-inflammatory and immunoregulatory effects of the protein plasminogen. Omnio focuses on developing recombinant plasminogen for chronic wound healing. Founded by professor Tor Ny, who also founded Umeå Biotech Incubator.



Improves stroke rehab with medtech

Brain Stimulation's "Re-hAtt" method combines cutting-edge technology with the latest scientific knowledge on brain plasticity. Founded in 2001 and offers a mix of precision diagnostics and individualised Mixed reality solutions for stroke and neurological rehabilitation.



Diduco experts in chromatography

A research partner and manufacturer of products for improving liquid chromatographic analysis of polar compounds. Develop and optimise methods for robust chemical analysis of charged and neutral small molecules. Focus industries: Pharmaceuticals, food & beverage, energy & electronics.



AlexoTech produces antibodies

Founded in 2005 and offers custom-based production of proteins and peptides, including the most commercially available probes and modifications. Large-scale production of antibodies as well as CryoBank storage of cell lines can be performed from custom-supplied hybridomas.



UBI cases with potential

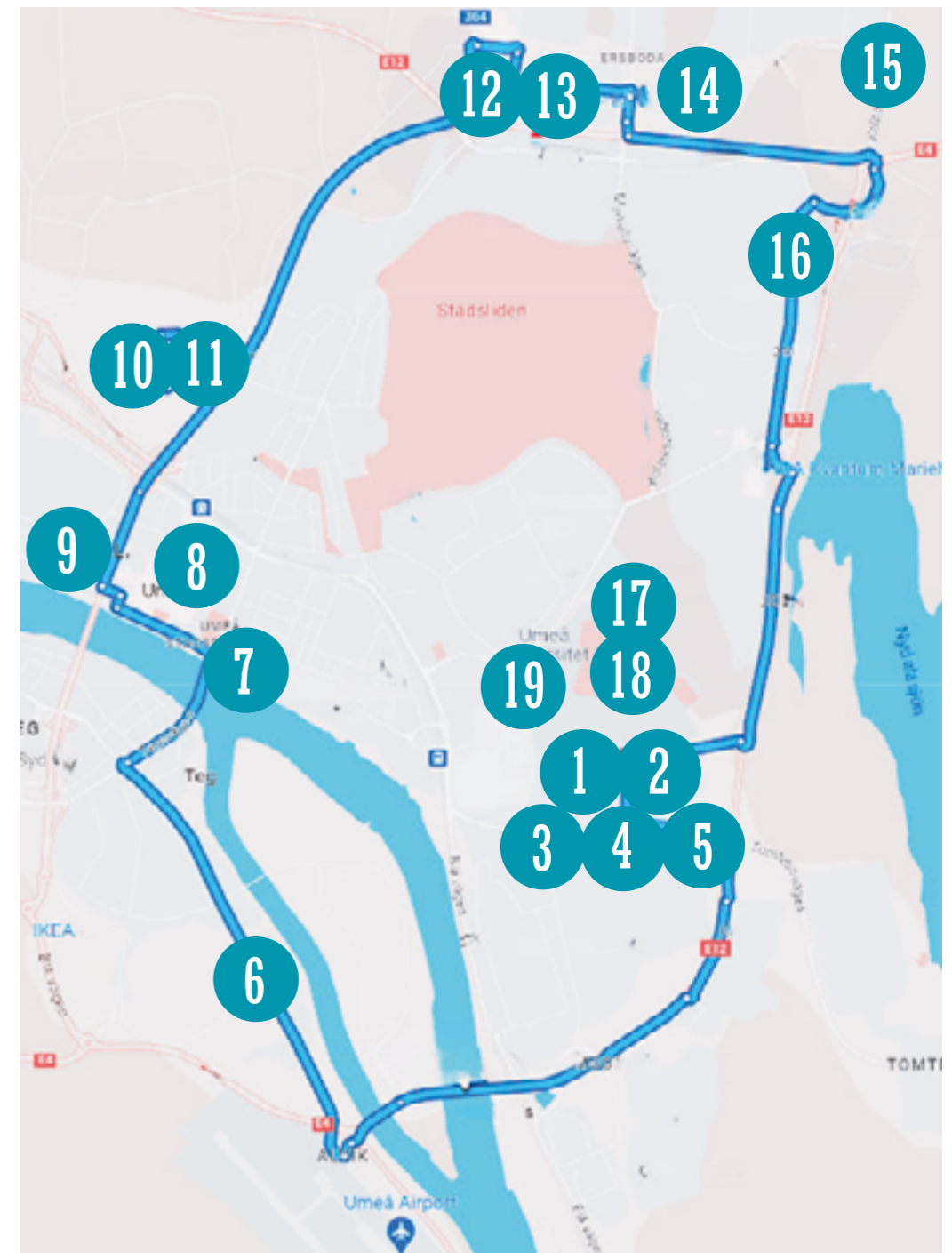
There are a number of cases with a global game changing potential that get's business support from Umeå Biotech Incubator. Scan the code to read about the cases being in the Incubator at the moment.

Map of Life Science Umeå

In Umeå, everything is close. A round trip along the Life Science Umeå beltway takes 36 minutes by car and 75 minutes by bike. Planning for future employee interviews? Explore this map to find the locations of the interviewed companies in this magazine, and in addition, Medicvent (medtech) and AFRY (consultant firm).

1. [Umeå Biotech Incubator*](#)
2. [UmanDiagnostics](#)
3. [SpinChem](#)
4. [HiloProbe](#)
5. [Lipum](#)
6. [Medicvent](#)
7. [Sartorius](#)
8. [AFRY](#)
9. Knightec
10. [Agrisera](#)
11. [Nordic Biomarker](#)
12. [APL](#)
13. [Diamyd Medical](#)
14. [FOI](#)
15. [Arevo](#) (follow E4 to Däva)
16. [Cytiva](#)
17. [SweTree Technologies](#)
18. [SLU Holding](#)
19. [Innovation Office](#)

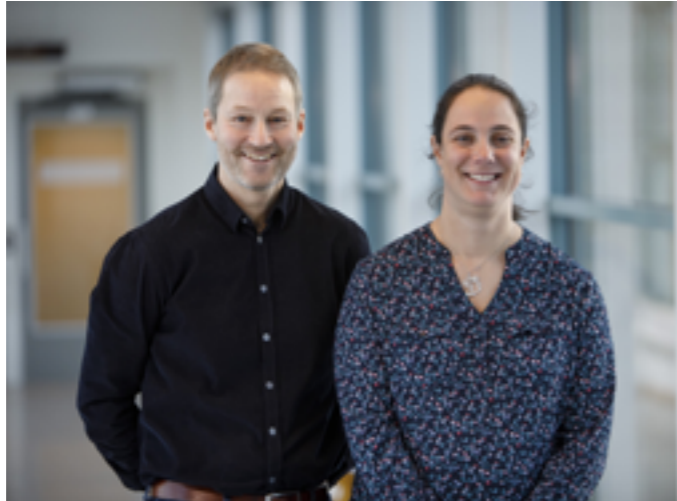
*Other Life science companies at the Uminova Science Park run by UBI (1) at Tvistevägen 48: [AlexoTech](#), [Diduco](#), [Lipigon Pharmaceuticals](#), [Mucocort](#), [Omnio](#), [Prediktera](#), [QureTech Bio](#), [Vakona](#)
Footnote: [Brain Stimulation](#) is situated at Tvistevägen 47, and Head office for [Orderly People](#) in Sthlm.



More Life science companies in Umeå

New directors focus on clinical research and Biosafety labs

Fredrik Almqvist and Marta Bally have been appointed as the new Directors of UCMR, the hub for microbial infection research at Umeå University. Their forward agenda includes enhancing collaboration with clinical research and establishing Biosafety Level 3 (BSL-3) labs for both in vitro and in vivo experiments.



“To be able to recruit the best researchers it’s crucial to have modern BSL-3 labs.”

of bacteria, viruses, and fungi, creating complex scenarios. But at UCMR, we have the expertise to start tackling these more complex infections.”

Bernt-Eric Uhlin and colleagues initiated the multidisciplinary center Umeå Centre for Microbial Research (UCMR), a successful scientific platform for strategically recruiting top young researchers. The aim was to bring together experts from various disciplines to tackle challenging problems through interdisciplinary collaborations.

70 research leaders
Fredrik Almqvist, a professor at the Chemistry Department of Umeå University, has been part of UCMR’s 20-year journey. Taking over the leadership with Marta Bally, an Associate Professor at the Department of Clinical Microbiology, at the year’s

end after Yaowen Wu and Teresa Frisan, their goal is to maintain the inclusive culture.

“Marta and I are a team. An important part of our leadership is representing the diverse aspects of UCMR, a broad center with nearly 70 research leaders. It’s an incredibly inspiring environment, and it’s vital that everyone feels a part of it,” Fredrik states.

Noble Prize-winning
Umeå University has a proud history and a prominent position in molecular and microbiology, leading the field since the early 1980s. The 2020 Nobel Prize in Chemistry awarded to Emmanuelle Charpentier further highlights UCMR’s status as a “crown jewel” among Sweden’s 40 Linnaeus Centers of Excellence, with outstanding depth and expertise in each discipline.

Fredrik Almqvist and Marta Bally have two priority areas during their tenure until the end of 2026: Increasing UCMR’s focus on projects linked to clinical settings and building Biosafety Level 3 (BSL-3) labs for both in vitro and in vivo experiments at Umeå University.

“Involving clinicians can be challenging due to practical difficulties in balancing clinical service with research. However, we aim to create opportunities for more young clinicians to engage in research and establish a clearer connection to it,” explains Fredrik.

Tackle complex tasks
“UCMR is primarily about basic research, but we also want to contribute to finding new solutions for treatments and current problems. In clinical settings, co-infections often occur, involving a mix



UCMR & research units infrastructures

Check out what Umeå University has to offer.

“We want to contribute to finding new solutions for treatments and current problems.”

Then & now: Stories & News



Nordic best exporter in Sweden in 2022

In 2022 the Umeå company Nordic Biomarker was named “Export Success of the Year” of the Swedish Government and Business Sweden. CEO Rikard Rodén received the award at a ceremony, including Prince Daniel.



UBI one of “Europe’s leading start-up hubs”

In March 2024, Financial Times and Statista published a ranking over “Europe’s leading start-up-hubs”. 125 of 2,000 made the list - and Umeå Biotech Incubator was one of them. In the sector of the best “Labs & Office Spa-

ces” UBI were ranked at 8th place in Europe, the highest ranked, specialized Life science incubator. “An acknowledgement that our efforts are competitive globally” says Peter Jacobsson, Operations Coordinator at UBI.



SpinChem awarded at a Business gala

SpinChem was awarded as the “University Spin-Off of the Year” 2024 at the local business gala, Umeågalan. “While we primarily operate internationally, receiving local recognition is also very gratifying”, says CEO Emil Byström.



Agrisera has tripled staff since 2021

Agrisera (CEO Erika Gelfgren at the picture) has gone from 20 to 65 employees in just three years. Agrisera are neighbours to Nordic Biomarker at Umestan.

SweTree leads world unique pilot project

SweTree Technologies (CEO Christofer Rhén, the picture) leads a world-unique pilot for the industrial production of spruce seedlings using Somatic Embryogenesis (SE) technology. The project is co-funded by four major forest companies.

By 2025, the plan is to start building a factory capable of producing 20 million seedlings per year. The factory will be co-owned by the forest



companies and will serve all of Sweden, the location is yet to be decided.

Cancer researcher of the year at UBI

Maréne Landström, Umeå University, was named “Cancer researcher of the Year in Sweden” in 2023. She has also commercialised her research and the company MetaCurUm Biotech gets business support by Umeå Biotech Incubator.



Lipum on the Stock Market since 2021

In April 2021, Lipum was listed on Nasdaq’s First North Growth Market in Stockholm. Based on 25 years of research, Lipum was founded in 2010 by Susanne Lindquist (pictured, CSO at Lipum today), Olle Hernell, and Lennart Lundberg



Sartorius acquired Umetrics for USD 72.5 million

Umetrics was founded in Umeå in 1987. In 2005, the American company MKS Instruments acquired the company, and after five years of collaboration, Sartorius acquired Umetrics for 72.5 million USD in 2017. In 2019, Sartorius moved from Tvistevägen to



new facilities on Strandgatan, close to Konstnärsligt campus.