BIOMETRICS SCIENTIST

Agriculture plays a fundamental role in fulfilling many of humanity's basic needs: food, feed, energy. To support growers and those who take care of our environment, BASF develops innovative solutions for farming, pest control and landscape management - so that we can effectively contribute to improving people's lives and business' demands. Come join us on our journey to create solutions for sustainable agriculture at the Innovation Center of BASF Belgium Coordination Center CommV in Gent, Belgium.

Responsibilities

The purpose of this role is to lead a high-performance Biometrics team in the implementation of state-of-the-art methods supporting BASF next generation breeding platform for hybrid row crops. In addition, this position will also directly support BASF global wheat breeding program by independently developing, implementing, and supporting data analysis tasks and tools.

- You will lead the development and implementation of molecular breeding processes providing statistical, quantitative genetics, coding, computing and mathematics expertise.
- This includes performing experiment and breeding program design, data analysis for field trials and genetic analyses as well as developing, testing and documenting new data analysis tools and algorithms.
- You will train and support breeders in experimental design and data analysis and also manage the local Biometrics team, allocate tasks and set priorities in line with available resources and team objectives.
- You will be accountable for timely task delivery and technical quality and monitor staff and interactions within the team and with breeders.
- Furthermore, you will contribute to shaping the Biometrics group, its interaction within Seeds and Traits Analytics, Breeding, Trait Research and Trait Development and to the development and implementation of breeding processes such as genomic selection.

Qualifications

- You have a Ph.D. degree in statistics or quantitative genetics, with 5 years of relevant experience in applied plant breeding.
- You have experience in leading data scientists.
- You have strong mixed modelling skills and experience with ASREML.
- You have expertise in statistical software (R, BGLR, others).
- You have ability in translating science to practice for superior decision making in breeding.
- You possess a creative and innovative mindset.
- You have good reporting and communication skills and are fluent in English (working language).
- You are comfortable in working in a multicultural environment and are a team player with strong interpersonal communication skills.

Benefits

- Responsibility from day one in a challenging work environment and "on-the-job" training as part of a committed team.
- Competitive compensation including attractive benefits as well as excellent career opportunities in an international company.

CMC PROJECT DIRECTOR LARGE MOLECULES AND/OR CELL & GENE THERAPIES

2 Bridge is a Belgian-based consultancy company that provides advice and support on all key disciplines of healthcare product development (discovery, pre-clinical, clinical and product development, registration and life-cycle management). We work globally with startups, biotech, medtech, pharma, and investors. 2 Bridge typically operates via flexible and cross-functional teams, aligned to the project need. Our broad and multidisciplinary expertise allows to address the most complex and challenging tasks during development. For more information, please visit: www.2Bridge.be.

Job description

Are you interested to make a difference and contribute to realize our growth plans? We are looking for an experienced CM&C project director with experience in early phase large molecule development (proteins/antibodies) and/or cell & gene therapies to strengthen the CM&C team of 2 Bridge. You will work in a non-hierarchical environment that highly values teamwork and where you will have the freedom to shape your role. You will report to and work closely with the Head of CM&C of 2 Bridge.
The required expertise for the CM&C project director includes:

- Technical knowledge of biologics up and downstream process development and/or GMP production.
- Ability to create and implement biological and/or ATMP development strategies.
- Ability to develop and implement a regulatory strategy for biologics and/or cell & gene therapy products and authoring of regulatory documents.
- Ability to select and work with C(D)MOs for project execution.

Projects within the CM&C group can vary but usually fall within the following scope:

- Act as CM&C project lead in drug development team for large molecules/ATMP projects and support development projects within Chemistry and/or Pharmaceutical product development.
- Preparation of Scientific and Technical documentation within the area of CM&C.
- Preparation of Module 3 registration dossiers based on Chemistry and Pharmaceutical source documentation. Dossiers may be supportive of clinical trials (e.g. IMPD/IND), product registrations (e.g. MAA/BLA) or life-cycle management support projects (e.g. post-approval variations).
- Preparation of risk management strategies.
- Project management within commercial GMP environment.

Desired profile

- MSc/PhD in Bio-medical sciences, Bio-engineering, Biology, Industrial Pharmacy, Chemistry, or equivalent.
- At least 5-10 years of experience within CM&C product development, registration and/or within a GMP production environment of large molecules and or cell/gene therapies.
- Proven track record of successful authoring and contribution to delivering CMC sections of investigational medicinal products for new biological and/or cell and gene therapy compounds.
- Experience in physicochemical analysis of biologicals and knowledge of different analytical techniques used for release and stability testing.
- Knowledge and interest in pharmaceutical legislation (ICH/GMP/ATMP,…).
- Team-player with the ability to work independently. Analytical, pro-active, flexible and with an eye for detail.
- Interest in the overall process of health care development is a must.
- Interested in working in a multidisciplinary team.
- Enthusiasm with a keen interest to learn new things.
- Good communication skills.
- Fluency in English is a must.

What we offer

- You will be contributing to our ambitious growth plans.
- You will be part of an enthusiastic team where human interactions, teamwork and bringing together different perspectives are highly valued.
- You will work in a small, but growing organization with an informal and non-hierarchical way of working.

DATA SCIENTIST - BREEDING AND TARGET IDENTIFICATION

The position is based in Zwijnaarde, Belgium, in the innovation center focused on crop research. The position is part of an international and interdisciplinary team of scientists in the BASF R&D Digitalization department. BASF has about ten thousand employees working in research and development worldwide.

As Data Scientist you will apply Deep Learning, Machine Learning, graph based algorithms and other technologies in the field of predictive breeding and target identification for crop improvement. The activities involve the integration, analysis and interpretation of biological data, as well as the identification and development of innovative technologies in the field. You will actively interact with other scientists and with stakeholders to develop the content of work packages, to execute on them, and to communicate about the results.

What you can expect

- Proactively identify and drive the development of machine learning, deep learning, graph based and other solutions, in close interaction with internal customers across BASF.
- Develop and execute analyses, involving colleagues in an interdisciplinary and global team of experts.
- Interpretation of the results, in interaction with specialists in agronomy.
- Communication about the work packages and the analysis results to various stakeholders.
- Drive the innovation of novel methods to support predictive breeding and target identification, visualization and interpretation methodologies, and the constant improvement of existing methodologies.
- Interact with customers and potential customers in BASF, and with external companies and academic partners.

Qualifications

- Experienced in machine learning and deep learning technologies for the computational integration and interpretation of biological datasets.
- Experience with applications in predictive breeding and/or target identification in crops is a plus.
- PhD in Computational Biology, Data Science, Agronomy, Biotechnology or related fields.
- At least one year of post-doctoral experience in a field related to the job profile, or a Master's degree with 10 years experience or a BS degree with 13 years experience.
- Experience with statistical analysis packages and bioinformatics programs.
- Experience with scripting and/or programming, relational databases, graph databases. Experience with python, keras / tensorflow, pandas. Experienced user of Linux / Unix.
- Good practical knowledge and work experience in plant biology, genetics and genomics.
- Excellent written and verbal communication skills.
- Strong analytical skills to understand research needs, question practices and improve approaches.
- Goal oriented mind set with strong organizational and work management skills.

Benefits

- Responsibility from day one in a challenging work environment and "on-the-job" training as part of a committed team.
- Competitive compensation including attractive benefits as well as excellent career opportunities in an international company.

JUNIOR BIOINFORMATICIAN / DATA SCIENTIST

myNEO is a Belgian biotech company in Ghent, focused on identifying, exploring, and validating personalised cancer treatments based on genomic analysis of sequencing data. We've developed a bioinformatics platform that is continuously being optimised based on results from our own experiments as well as from published research studies in the field of immune oncology. Our proprietary state-of-the-art algorithms, incorporated in the platform, are open for licensing by biotech and pharma companies to improve the efficacy & applicability of the immunotherapies they are developing. We take great pride in the fact that our approach for analysis of and reporting on a cancer patient's sequencing data is compatible with clinical timelines and focused on providing clinical value to the patient.

The hands-on approach of a young start-up company is omnipresent, and every employee is directly involved in substantial decision making. Therefore, each employee is able to grow side-by-side with the company and gains responsibilities from day 1. Working remotely for a few days a week presents no issues as myNEO thinks highly of the well-being and work pleasure of its employees. A work hard/play hard balance is endorsed and so flexibility is important on both ends. myNEO is a team of young people that work closely together in which open communication is encouraged and pleasant working relations are developed.

What does the job entail?

You will be responsible for:

- Running, monitoring, and maintaining our state-of-the-art neoantigen discovery pipeline
- Researching, developing, implementing, and documenting new features
- Assessing the quality of the bioinformatics analysis results
- Presenting your progress and results in a clear and engaging fashion
- Maintaining a scientific watch to remain at the cutting edge of the field
- Attending conferences and training workshops to improve your knowledge and to network

What are we looking for?

We are looking for a full-time junior bioinformatician to join our team with the following profile:

- 0 to 3 years of experience in the field
- Experience in NGS data handling, processing, and analysis
- Experience in variant calling processes is a plus
- Familiar with biological databases design, curation, and maintenance
- Good programming skills (1+ languages Python, Perl, R, C++, Julia)
- Experience with High-performance computing and performance optimisation
- Cancer biology background is a plus (cancer metabolism, tumour genomics, innate immune responses)
- Strong interest in cancer research and personalised therapeutics is highly recommended
- Critical about assessing implications of research and able to convert them into pathway functionalities
- Team player who is able to be flexible and work independently

What do we offer?

- A competitive salary
- Flexible working hours and home office 1-2 days/week
- A generous benefits package (laptop, hospital insurance, meal vouchers, bicycle allowance)
- The possibility to grow side-by-side with the company and to get responsibilities from day 1
- Involvement in discussions with highly experienced academics, doctors, and industrialists.

JUNIOR RESEARCHER NANOBIOTECHNOLOGIE

VITO zet met haar onderzoeksprogramma "Duurzame Gezondheid" volop in op het ondersteunen van de maatschappelijke transities naar een meer preventief gezondheidssysteem. De detectie van ziektes in een vroege fase van ontwikkeling geeft vele voordelen zoals een tijdige en specifieke behandeling met een aanzienlijke kostenbesparing en de mogelijkheid om de oorzaak van een ziekte te traceren. Om de vooruitgang in het veld van vroege diagnostiek te ondersteunen, focust VITO op de ontwikkeling van biomoleculaire analytische technologieën en de selectie van biomerkers voor gezondheidskundigen, de farma en biotech industrie. Wil jij als junior R&D onderzoeker ons team rond nanobiotechnologie versterken?

Jobinhoud

- Je bent als junior onderzoeker verantwoordelijk voor de praktische uitvoering van meerdere projecten in het veld van in vitro diagnostiek. Hiervoor werk je nauw samen met laboranten en andere onderzoekers van je team.
- Specifiek werk je aan de ontwikkeling en verbetering van analytische technologieën voor scheiding en detectie van moleculaire biomerkers in vloeibare biopten met het oog op lab-on-chip en point-of-care toepassingen (miniaturisatie, gebruiksgemak, competitieve technische performantie, …).
- Je genereert samen met je team klantgerichte oplossingen binnen afgesproken tijd- en budgetlimieten. Je bent verantwoordelijk voor de kritische analyse van de resultaten, en ondersteunt de interpretatie en communicatie van de gegevens naar de verschillende projectpartners. Je vertaalt de onderzoeksresultaten in bruikbare adviezen voor de projectenmanager, collega's en de klant.
- Je draagt vanuit je kennis en expertise bij aan het schrijven van offertes en projectvoorstellen voor het werven van projecten.
- Je presenteert onderzoeks- en projectresultaten op (inter)nationale fora en zorgt voor kennisoverdracht naar teamleden.
- Je neemt intitiatief voor het bundelen van deze resultaten in wetenschappelijke artikels en patenten.

Kwalificaties

- Je beschikt over een Masterdiploma/PhD, bij voorkeur in biochemie of bio-ingenieurswetenschappen met onderzoekservaring in het veld van nanobiotechnologie. Specifieke ervaring met technologische implementatie en ontwikkelingen gerelateerd aan klinische staalopwerking, extracellulaire vesikels, en in vitro assays is een pluspunt.
- Je combineert hands-on technische vaardigheden (o.a. physico-chemische en biochemische technieken, flowcytometrie, …) met goede data-analyse en interpretatievaardigheden.
- Je bent een klant- en resultaatgerichte initiatiefnemer die vlot in een multidisciplinair team werkt en zich kan aanpassen aan veranderende omstandigheden.
- Je kan autonoom werken en neemt je verantwoordelijkheid.
- Je hebt een brede kijk en handelt vanuit een wetenschappelijk kritische instelling.
- Je bent communicatief sterk in het Nederlands, en in staat om je helder uit te drukken in het Engels, zowel mondeling als schriftelijk.

Aanbod

- Een competitief salaris
- Verschillende extralegale voordelen waaronder vergoedingen, verzekeringen, een moduleerbaar pakket vakantiedagen
- Flexibiliteit in werkuren en werkplaats
- Innovatie is onze troef, we geven onze medewerkers de kansen om zich bij te scholen en bij te blijven binnen hun vakgebied, meer nog; we verwachten dit.
- De mogelijkheid om deel uit te maken van een internationaal belangrijke speler, gekend voor zijn vooruitstrevend technologisch onderzoek en wetenschappelijke consultancy
- De kans om actief bij te dragen aan lokale, nationale en mondiale duurzame ontwikkelingen

LEAD ENGINEER LABO COMPLIANCE & VALIDATION

Je komt in een cultuur terecht waarbij ownership een essentieel kenmerk is van elke collega. We willen vandaag uitblinken maar al denken aan morgen en daar pro-actief op inspelen. Bij Pfizer geloven we ook heel sterk in teamwerk. Om je werk te realiseren hebben we elkaar nodig, helpen we elkaar, dagen we elkaar uit en delen we kennis. "Hoge kwaliteit" is de rode draad in alles wat we doen.

Functie omschrijving

Als Lead Engineer Lab Operations stuur je rechtstreeks +/- 10 Project Engineers aan, en indirect analisten die validatietesten uitvoeren in het labo.

Als Lead van het compliance & validation team ben jij verantwoordelijk voor de kwaliteit, efficiënte en tijdige oplevering van de projecten die door het team worden gedragen, enkele voorbeelden van deze projecten zijn:

- validaties van testmethodes
- monitoren van compendial updates
- beheren van QC kritische processen zoals test methode validatie
- beheer van het risk register van de afdeling
- uitwerking van mitigatieplannen

Je rapporteert aan de Lab Support Manager en maakt deel uit van het Lab Support Staff team.

Jouw verantwoordelijkheden

- Aansturen en coachen van je team (+/- 10 Project Engineers als direct reports)
- Het inschatten van project workload en commitments tav je klanten
- Scope management van de projecten van jouw team
- Eindverantwoordelijk voor de kwaliteit en tijdige afwerking van de deliverables
- Team KPI's (on budget/on time delivery, RFT, Quality-KPI's, IVV's,..)
- Stakeholder management (team leads in operaties, PAT project leads, GMP CT, lab ops staff, ..)
- Je onderhandelt waar nodig met de team leader van het analystenteam voor tijdige ter beschikking stellen van analisten en planning van testen
- Je debrieft progress en escalaties aan de klanten van de projecten binnen je team
- Je verzorgt correcte resource allocatie van je team tav de projecten, gealigneerd met de site priorities
- Je faciliteert het oplossen van issues en bewaakt de kwaliteit van het onderzoek en CAPA's (DMAIC)
- Je ben eindverantwoordelijke voor kritische documentatie (AMTP/R, AMVP/R, ..)
- Je helpt mee denken aan procesverbeteringen ism de process owners (continuous improvement)

Functieprofiel

Must

- Master diploma (industrie)apotheker, bio-ingenieur chemie/cel-en genbiotechnologie, industrieel ingenieur chemie/biochemie, analytische chemie, biochemie
- Minimum 5 jaar ervaring in farma en met GMP en minstens 1 jaar ervaring in quality control
- Goede project management skills
- Kennis van (bio)-analytische chemische technieken: HPLC, UPLC, SEC, IC, GC, Karl Fisher, AAS, SDS, CE, IEF, Slot Blot, ICP-OES, ELISA, ...
- Je bent communicatief sterk en beslissingsvaardig
- Je kan prioriteiten stellen en werkt gestructureerd naar deadlines
- Je bent positief ingesteld en hebt een can-do mentaliteit

Nice to have

- PMO certified
- Ervaring als leidinggevende
- Ervaring met methodevalidatie en PAT

Aanbod

- Contract van onbepaalde duur
- Competitief salarispakket met tal van extralegale voordelen: hospitalisatieverzekering, pensioenplan, fietslease, ecocheques, bedrijfsrestaurant, aandacht voor work-life balance, bovengemiddeld aantal verlofdagen
- Een cultuur van respect, ondernemerschap en innovatie
- Een job met een groot maatschappelijk belang
- Grootste productie- en verpakkingssite van Europa binnen het Pfizer netwerk
- Hoog investeringsritme
- Hoogtechnologische omgeving
- Levenslang leren & ontwikkelen
- Organisatie met de nodige aandacht voor duurzaamheid

LIFE SCIENCE ADVISOR & ASSOCIATE INVESTMENT MANAGER

In een wereld in verandering is innovatie en duurzaamheid essentieel. BNP Paribas Fortis is de bank voor een wereld in verandering en werkt aan de Bank voor morgen. In deze snel veranderende wereld zijn klimaat, gezondheid van mens, dier en plant essentieel. BNP Paribas Fortis wil daarom haar experten-team in duurzame en innovatieve technologieën versterken.

Ben je geïnteresseerd in de Belgische biotech, cleantech, medische technologie en duurzame chemie? Wil je start-ups, scale ups en internationale bedrijven die deze technologieën verder ontwikkelen grondig leren kennen en hun verdere groei als preferentiële bankier ondersteunen?

Je toekomstige job

BNP Paribas Fortis – Corporate Banking zoekt een (senior) Life Science Advisor & Associate Investment Manager die als expert de klanten in de hoger vermelde domeinen actief bijstaat en de evolutie in hun markt en kennissfeer van dicht opvolgt. Je zal je technische expertise, ervaring en netwerk inzetten om de activiteiten van deze klanten van nabij op te volgen en te ondersteunen via adviezen, kredietfinanciering of durfkapitaal/ private equity.

Je takenpakket ziet er als volgt uit

- In je toekomstige job zal je ondernemingen actief in de (bio)chemie en biotech, cleantech, voeding en in lifesciences (pharma en medtech) van dichtbij opvolgen en samen bezoeken met de relatiebeheerder om hun financiële noden en groeistrategieën te evalueren.
- Je bent verantwoordelijk om de kwaliteit van hun wetenschappelijk onderzoek en business model in te schatten en dit te vertalen naar operationele-, markt- en financiële risico's.
- Je maakt een didactische analyse die kan gebruikt worden bij kredietbeslissingen en ondersteunt het beslissingsproces als wetenschappelijk expert.
- Je maakt deel uit van een in de bancaire wereld uniek team van experten in de diverse duurzame en innovatie technologieën en –methodologieën dat de duurzame doelstellingen van BNP Paribas Fortis mee gestalte geeft.
- Voor groeibedrijven die kapitaal willen ophalen vertegenwoordig je de Private Equity afdeling als Associate Investment Manager en ben je het eerste aanspreekpunt om een link te leggen met een brede portefeuille aan VC-fondsen of om zelf rechtstreeks in het bedrijf te investeren.
- Je verzorgt de relaties met de CEO en management van het bedrijf en leidt samen met andere investment managers het investeringsproces in goede banen. Verder volg je een portefeuille van VC-fondsen op en ondersteun je actief de investeringen in technologie VC-fondsen.
- Verder ben je ook onze contactpersoon voor diverse kenniscentra, beroepsfederaties, incubatoren of acceleratoren.
- Je neemt geregeld deel aan evenementen en seminaries georganiseerd door diverse actoren in dit ecosysteem, en vertegenwoordigt de bank tijdens het netwerken.

Benadruk je sterktes

- Je hebt een master en bij voorkeur een PhD in Biochemie, Biotechnologie, Bio-ingenieurswetenschappen, Chemie, Biologie of gelijkaardig;
- Je bent vlot drietalig (NL/FR/EN);
- Kennis van de Belgische biotech en/of lifesciences markt, een netwerk in deze markt, en/ of ervaring bij een biotech, cleantech of farma bedrijf is een sterke troef;
- Financiële ervaring is een plus, maar niet noodzakelijk;
- Je bent commercieel ingesteld, je hebt een sterk analytisch denkvermogen en educatieve skills, je kunt zelfstandig werken en bent toch een teamspeler. Je legt gemakkelijk contacten en hebt een ondernemende ingesteldheid.

Wat biedt BNP Paribas Fortis jou?

- Je vervoegt een in de bancaire wereld uniek team van experten gespecialiseerd in innovatieve en duurzame technologieën en methodologieën zoals clean- en greentech, ICT, biotech, circulaire economie, regeneratieve landbouw, smart mobility.... Je krijgt een uitgelezen kans om je als expert verder te bekwamen in de financiële en ondernemingsdimensie van je expertisedomein, waardoor je een unieke technico-financiële expertise (verder) uitbouwt.
- Je maakt deel uit van Corporate Banking waardoor je in contact komt met de belangrijkste Belgische ondernemingen en instanties actief in jouw ervaringsdomein. Als werknemer van BNP Paribas Fortis treed je toe tot één van de grootste banken ter wereld en volg je de ontwikkelingen in de sectoren in jouw aandachtsdomein op de voet.

Bij ons kies je voor:

- Maximale ontplooiing en de mogelijkheid om elke dag bij te leren
- Contract van onbepaalde duur en een loonpakket met mooie voordelen (cafetariaplan)
- Een verantwoordelijke en sociaal geëngageerde organisatie

ONDERZOEKER BIOCHEMIE EN MOLECULAIRE BIOLOGIE VAN PLANTEN

Binnen het team van wetenschappers van Biosfeer Impactstudies (BIS) draag je bij aan het strategisch onderzoek bij SCK CEN naar de gevolgen van straling en radionucliden voor het milieu in het kader van stralingsbescherming en ruimtetoepassingen.

Jobinhoud

Dankzij je expertise op het gebied van biochemie en moleculaire biologie van planten zal je:

- baanbrekend laboratorium- en veldonderzoek uitvoeren en ontwikkelen waarbij de respons van planten op straling en de processen van stressadaptatie en -gevoeligheid op verschillende biologische complexiteitsniveaus worden bestudeerd, gebruikmakend van geavanceerde biotechnologische methoden en bio-informaticatools.
- richting geven of instrumenten en benaderingen ontwikkelen voor stralingsbescherming van het milieu en risicobeoordeling met behulp van de resultaten van je onderzoek.
- nauw samenwerken met de onderzoekers binnen BIS, de aangrenzende teams Microbiologie en Radiobiologie binnen de expertengroep voor interdisciplinaire biowetenschappen en met nationale en internationale partners in het kader van onderzoeksprojecten.
- je netwerk met onderzoeks- en valorisatiepartners uitbouwen.
- het voortouw nemen bij of mee nieuwe onderzoeks- of doctoraatsvoorstellen ontwikkelen en opstellen om financiering aan te trekken.
- studenten coachen/begeleiden tijdens hun doctoraatsonderzoek of het schrijven van hun bachelor- of masterthesis.
- het initiatief nemen om de onderzoeksdata te integreren in wetenschappelijke publicaties en je onderzoeksresultaten voorstellen op (inter)nationale conferenties.
- samen met het BIS-team je data integreren in risicobeoordelingsinstrumenten (bv. Adverse Outcome Pathways) of het valorisatiepotentieel van je data beoordelen.

Wat onze pioniers zeker nodig hebben

- een doctoraatsdiploma met uitstekende kennis van biochemie en moleculaire biologie van planten;
- ervaring met het opzetten van experimenten met planten, zowel voor bemonstering in het laboratorium als in het veld, is essentieel;
- gedegen laboratoriumvaardigheden in biochemie en moleculaire biologie van planten. Ervaring met het bestuderen van stressresponsen op verschillende biochemische complexiteitsniveaus is een stevige troef;
- goede vaardigheden op het gebied van biostatistische data-analyse (bv. met behulp van R) zijn een must. Ervaring met bio-informatica en analyse van bigdatasets (bv. transcriptomisch, epigenomisch) is een prima troef;
- een professionele en kwaliteitsgerichte werkhouding, bereid zijn om verantwoordelijkheden op te nemen;
- zelfstandig kunnen werken, maar tegelijk ook een teamspeler zijn en in een multidisciplinaire omgeving kunnen werken;
- ervaring met het schrijven van projectvoorstellen, goede wetenschappelijke communicatievaardigheden en ervaring met de wetenschappelijke redactie van publicaties en presentaties;
- ervaring op het gebied van stressresponsen van planten en/of de vertaling van onderzoeksgegevens naar risicobeoordelingsinstrumenten is een sterke troef;
- goede kennis van Nederlands, Frans en Engels.

POSTDOC POSITION ON AUTOPHAGY IN INFLAMMATION AND INFLAMMATORY DISORDERS

The VIB-UGent Center for Inflammation Research (IRC) aims at unravelling the mechanisms of immunity and inflammation for better prevention and therapy of human chronic disease. Several high-end core facilities support and improve our research activities: microscopy, flow cytometry, transgenesis, cell culture, recombinant protein technology, single cell. For more information, please visit: https://www.irc.ugent.be

The research team of Prof. Mathieu JM Bertrand has a vacancy for a highly motivated postdoctoral scientist with research experience in autophagy, cell death and/or inflammation. The successful candidate will be responsible for studying mechanisms of autophagic degradation and its interplay with inflammation and cell death modalities, using cells of human and murine origin and mouse models of inflammatory diseases.
This research is part of the iBOF ATLANTIS project (Autophagy in inflammation and inflammatory disorders, from basic insights to experimental therapy). ATLANTIS brings together scientists with complementary expertise in the fields of autophagy, cell death, inflammation, angiogenesis and drug screening/medicinal chemistry.
The applicant should be highly motivated and passionate about driving and performing research and associated laboratory tasks and be able to work independently. The position can be started any time between now and October 1, 2021.

Profile

Essential

- Ph.D. in Cell Biology, Biochemistry, Molecular Biology, Immunology or a related discipline.
- Minimal 4 years of prior research experience at Ph.D. level in the fields of autophagy, cell death and/or innate immunity.
- Prior hands-on experience with cell culture and molecular biology technologies.

Desirable but not required

- A track record of first-author publications in high-ranking peer-reviewed journals.

Key personal characteristics

The applicant should be highly motivated and passionate about driving and performing research and associated laboratory tasks and be able to work independently.

We offer

- A 3-year postdoctoral position
- A multidisciplinary and highly stimulating and supporting international research environment.
- Access to state-of-the-art tools and infrastructure.
- Various training opportunities are organized at UGent/VIB to broaden your expertise and skills

R&D ASSOCIATE SCIENTIST

ProDigest is a spin-off company from Ghent University, specialized in the development of laboratory model systems of the human and animal intestinal tract. The use of these unique reactor systems allows ProDigest to have a detailed look inside the body and to simulate each stage of the stomach and intestinal digestion in a laboratory setup. This way, the fate of foods, food ingredients and pharmaceuticals in the intestine and their health effects can be studied in great detail. We are a young and dynamic company in rapid development.
ProDigest started its activities as a contract research company, testing actives for food and pharmaceutical industry, and has now developed a mixed structure, consisting of both contract research and in-house development projects to develop novel technologies that can then be implemented in the contract research.
Regarding the further expansion of its Research & Development team and the novel processes and machines it develops, ProDigest is hiring a research associate eager to develop and validate solutions in different research projects in parallel, with a strong scientific background both in and out of the lab, a demonstrated history in working with several analytical and microbial techniques, and a problem-solving mindset.

Position Description

ProDigest is looking for a research associate with a background in biochemistry, but that also has an eye for the technical aspects of bioreactor design and IN VITRO simulatory processes and machines. The candidate will mainly work next to a lead project engineer in the R&D group, providing support for not only the design and principles of novel techniques, processes, and machines; but also the technical and biological validation and implementation thereof.
ProDigest's lab activities relate both to intestinal microbiology, biotechnology, cell biology and (bio)chemistry, as well as drug dissolution and permeation of oral dosage forms. Its R&D pipeline is therefor also varied across these disciplines, and requires an understanding of the major biological processes of the entire (human) gastro-intestinal tract. One of ProDigest's main technology platform, SHIME®, is a cornerstone of these IN VITRO simulations of the GIT, and its expansion is one of the major project umbrellas in the R&D group. For example, we are finalizing the implementation of an ileal bioreactor, including its microbiome, into our SHIME setup – a system that has typically focused mainly on the colonic bacterial community. Another ongoing, European Union backed project is the incorporation of human colonic enterocyte and immune cells into the system to study the direct interactions between the host cells/immune system and the colon microbiota and their metabolites.
Next to this, the strategic research and design of novel IN VITRO processes to expand the (contract) research capabilities is of great importance. Here we are making great steps into the pharmaceutical pre-clinical trial world, where studying the dissolution and permeation/absorption of novel oral dosage forms IN VITRO has a large untapped potential with IN VIVO representative methods.
For both these aspects, the general technology development pipeline consists of identifying the shortcomings of our current technology that inhibit this new idea; designing a new method, component (e.g. 3D printed or CNC'ed part), or machine from the ground up – with or without external hardware & software engineering partners, depending on the complexity; validating the design on its own (feedback loop); technically implementing & validating it in the entire system or workflow; and performing IN VITRO – IN VIVO correlation and/or biological validations. The candidate will be involved in all these steps, including the design phase, the actual performing of the experiments & validations in the lab and providing feedback, the subsequent sample analyses & data processing, and reporting – this in close collaboration directly with the lead project engineer as well as the head of R&D.

Candidate profile

- Master's in Industrial Engineering, Biochemistry, or similar
- Experienced in one or more of the following areas
    - Gastrointestinal physiology and processes
    - Gut microbiota and methods for gut microbiota characterization
    - IN VITRO biochemical processes, and the practical operating thereof
    - CAD skills are a major asset
    - Software design/coding/principles familiarity is an asset
    - Problem identifying and solving skills
    - Excellent English skillset
    - Strong communication, interdisciplinary, and decision-making skills
    - A team player, yet able to work autonomously
    - Structured and organized, yet flexible and comfortable in multi-tasking
    - Good knowledge of MS Office suite

RESEARCH ASSOCIATE

We are seeking a candidate who is highly motivated for laboratory bench research and technology development and is well organized with excellent communication skills. The major responsibility is to conduct high-throughput antibody based proteomics array and bead assays as a core service in support of collaborative research with a broad range of BCM faculty. Moreover, the position requires the ability to develop new technology platforms and design research experiments. Additional responsibilities include data management and reporting, Q/C and Q/I procedures, maintenance of high-end instrumentation, and literature searching and summarizing.

Houston, Tx, USA

Job Duties

- Performs all targeted proteomic platform laboratory technologies that are standard operating procedures (SOP) as Core services.
- Develops new proteomic technology platforms which would expand the range of Core services.
- Designs and conducts experiments needed for platform development and other projects.
- Searches literature and summarizes information about the most advanced and updated proteomic technologies and technology needs in the field.
- Prepares experimental samples for targeted proteomics including cell and tissue protein extracts, body fluids, serum/blood, Q/C and quantification of protein samples and purification of proteins and other samples used as controls.
- Performs SOPs in an independent manner.
- Performs Q/C analysis of raw proteomic data sets and management of processed primary data.
- Prepares documentation and reporting of Core supported user projects in a carefully, timely and thorough manner.
- Performs some general laboratory management duties such as inventory and ordering supplies.
- Performs administrative lab management duties including maintaining inventory of lab supplies and reagents, placing orders, shipping and receiving of experimental protein samples.

Minimum Qualifications

- Master's degree in Basic Science or a related field. Experience in lieu of degree will not be accepted.
- Three years of relevant experience typically as a Research Assistant, Research Technician or Postdoctoral Fellow/Associate.

Preferred Qualifications

- Master's degree in biochemistry or equivalent degree in biological sciences.
- PhD in a related field.
- Areas of research experience include protein biochemistry, protein isolation and purification, cell and tissue fraction for extraction of proteins, quantification of proteins, immunochemical methods for protein detection, QC procedures, data analysis software and computational skills with regard to biotechnology.
- Experience with automated robotics instrumentation and associated software platforms, cell culture methods and high throughput assays.
- Excellent verbal and written communication skills.

RESEARCH ASSOCIATE FLOW CYTOMETRY RESEARCH ASSOCIATE FLOW CYTOMETRY

Samen met onze klant, een labo actief binnen onder andere klinische studies, regio Gent, zijn wij vanuit Hays Life Sciences op zoek naar een (Junior) Research Associate Flow Cytometry.

Als Research Associate Flow Cytometry **ben je verantwoordelijk voor** het uitvoeren van verschillende flow cytometrische analyses op patiëntenstalen van verschillende klinische studies voor Big Pharma companies (waaronder T-cel therapie). Je verzamelt dagelijks de bekomen data van het flow cytometry toestel in het labo waarna je de data analyseert in de daarvoor voorziene software (SCS Express, DIVA). Verder sta je in voor de interpretatie en verwerking van de bekomen resultaten en zorg je voor een correcte rapportering naar de klant toe via de database (Engels en Nederlands). Er wordt van jou verwacht dat je afwijkende resultaten kan opsporen en kan verklaren. Na een grondige opleidingsperiode wordt je takenpakket uitgebreid naar bijvoorbeeld het uitvoeren van validaties en het implementeren van nieuwe panels.

Als Research Associate Flow Cytometry **beschik je over** een master- of bachelordiploma MLT, FBT, Biochemie, Biotechnologie, Farmacie of Biomedische wetenschappen. Je hebt minstens een eerste relevante werk- of stage-ervaring met flow cytometry of volgde een theoretische cursus hierover. Je kan zelfstandig aan de slag, maar bent ook een echte teamplayer (veel interactie met je teamleden). Je denkt graag mee, maar ook routinewerk schrikt je niet af. Je werkt nauwkeurig en bent stressbestendig. Je bent flexibel (veranderlijke deadlines), enthousiast en communicatief ingesteld. Interesse in technologie en computersystemen is noodzakelijk. Ervaring met Flow Cytometry is een mooie meerwaarde. Tot slot kan je vlot communiceren in het Nederlands en Engels (spreken en schrijven).

Onze klant biedt jou een uitdagende functie in een dynamische klinische labo-omgeving met aandacht voor een open, familiale werkmentaliteit. Je komt terecht in een dagfunctie met glijdende werkuren en geniet een aantrekkelijke verloning aangevuld met extralegale voordelen.

RESEARCH ASSOCIATE MOLECULAR BIOLOGY – STRAIN ENGINEERING

The Molecular Biology team is looking for a Research Associate with experience in recombinant DNA technology and microbial strain engineering. We are specifically looking for an energetic, creative, and highly self-motivated person that enjoys challenges in microbial strain development with the purpose of heterologous protein expression. The successful candidate will interact closely with his team members and with other disciplines within the company (e.g. the fermentation team, the protein purification and characterization team).

Job description

- IN SILICO design of DNA/plasmid constructs and execution of the lab-based recombinant DNA work (standard restriction enzyme cloning, Gibson cloning, Golden Gate cloning, …).
- Strain engineering/transformation of yeast, filamentous fungi, bacterial systems.
- Evaluate generated strains via standard techniques such as PCR and (RT)-qPCR analysis, Southern blot, …
- Evaluate protein expression potential of engineered strains via small-scale cultivation, followed by protein detection methods such as gel-based separation (e.g. SDS-PAGE), Western blot, ELISA, …
- Execute the designed experiments in the lab, followed by data collection, data analysis and data interpretation.
- Execute all experiments according to the in-house established standard operating procedures.
- Participate in revision of existing and writing of new standard operating procedures.
- Collaborate with and help colleagues within the team for execution of experiments.
- Responsible for individual safety and that of your colleagues by following the correct procedures and policies.
- Communicate with internal stakeholders through meetings and clearly written emails, reports and presentations.

Your profile

- Bachelor/Master degree in Life Sciences, preferably with relevant work experience.
- Good insights in recombinant DNA technology, microbiology, microbial strain engineering, strain cultivation and analysis, protein analysis.
- Knowledge of vector cloning software (e.g. VectorNTI, Geneious) is a plus.
- Experience with heterologous protein expression in microbial systems is a plus.
- Experience with (or interest in) bioreactor cultivation of micro-organisms (yeast, fungi, bacteria) is a major plus.
- Demonstrate ability to work independently as well as in team environment.
- Demonstrate problem-solving abilities and analytical skills.
- Flexible within a dynamic environment, able to multi-task.
- Communication and organizational skills (interpretation and documentation of data, report writing, planning).

(SENIOR) HEALTH SCIENCE MANAGER

Inbiose is an independent (founder led) Biotech company, that leads the way in the development and application of specialty carbohydrates, such as human milk oligosaccharides (HMOs). Inbiose is providing ingredients and technological solutions to business partners and customers in several industries, such as early life nutrition, medical nutrition, dietary supplements & OTC, personal care and food. The company purpose is to use science and technology, to improve lives in a sustainable way. Inbiose was founded in 2013, as a spin off from Ghent University (UGent). The company is fast growing with currently a staff of over 50 people and is well positioned to continue its expansion. More information about Inbiose can be found on www.inbiose.com.

The opportunity

We now have an interesting opportunity for a Health Science Manager to join our team. We are looking for someone with a scientific background, a passion for specialty ingredients (nutrition/ life science) and the ability to translate scientific trends into information/ presentations to support the commercial operation. With the aim to grow Inbiose's position within specialty carbohydrates (HMOs). Experience with pre-, pro-, postbiotics or other applications/ products related to the microbiome, will be of great advantage.

The position

- Health science expert; be the science expert, to internal and external stakeholders with regards to human milk oligosaccharides and glycobiology.
- Knowledge and understanding of HMOs and it's health benefits, understanding the role, functioning and benefits of HMOs in the field of infant nutrition, medical nutrition, dietary supplements, personal care, functional foods and beyond.
- Research and trends monitoring; acquire and maintain health science knowledge, stay abreast of scientific literature and HMOs health science applications, such as gut-health, immune health and cognitive health and relevant health indications and incidences.
- Expert level communication; ability & passionate to communicate at an expert level with researchers, scientists and medical professionals. Build your own network within the industry and represent Inbiose on specialist events, congresses, webinars.
- Business development & customer level communication; ability to support the business development team in customer meetings, training of commercial teams and collaborations around new products and innovations.
- Research collaborations; explore, signal and assess opportunities for research collaborations. Assist and participate in the execution of these collaborations.
- Marketing support; support and deliver input to the marketing team, when it comes to trends, the positioning of new products, the development of communication materials.

Your profile

- Work experience as health science manager, nutritional manager, technical sales manager or similar functions. With preference within infant nutrition, medical nutrition, dietary supplements, functional foods or functional ingredients industry.
- Expertise and knowledge within one of the following areas: microbiome, gut health, immune system maturation and modulation, brain health (gut-brain-axis), glycobiology. Familiarity & knowledge of pre-, pro-, post-, synbiotics is considered a plus.
- Ability to research, interpret, and synthesize published medical/scientific literature and other scientific data, into information and presentations that meet the needs of intended audiences.
- Good communication, presenting & networking skills- enthusiast & passionate to share knowledge to a broader audience. Existing network within focus industries, research institutes, professional organizations- is considered a plus.
- Experience in supporting commercial teams in the development of new products and value propositions, customer meetings, customer events, sales training and development of marketing materials.
- Advanced degree (PhD, MD, PharmD or equivalent) with a life science orientation.
- Understanding of pre-clinical and clinical trials is considered a plus.
- Self-starting and inspired by the idea of joining a growing company. Team player, that likes to work in cross functional teams and with a pro-active attitude. Analytical, solution oriented, curious and open-minded.
- Languages: fluency in English is a must, knowledge of any other language a plus.

(SENIOR) RESEARCH ASSOCIATE CONFOBODY® DISCOVERY

Confo Therapeutics, a spin-off of VIB and VUB, is a drug discovery company built around a disruptive technology which enables it to address 'undruggable' GPCRs. The company is building a portfolio of transformative medicines in various disease areas. Confo Therapeutics' headquarter is located on the Technology Park in Zwijnaarde/Ghent and the company has a second exploitation site on the Etterbeek campus of the Vrije Universiteit Brussel. More information about Confo's technology and strategy can be found on www.confotherapeutics.com.

Your responsibilities:

- You will assist in the novel ConfoBody discovery techniques across target programs.
- You will clone VHH antibody repertoires, execute antibody selections and characterize antibodies using a broad span of biochemical and cell-based assays to assess their conformation sensitivity.
- You will clone and express membrane proteins in mammalian cells using a variety of transformation methods.
- You will develop innovative cell-based reporter assays and establish single cell sorting.
- You communicate experimental progress to the project team(s).

Job requirements

- Degree of Bachelor or Master in Industrial Sciences (Industrial Engineer), Biochemistry, Biotechnology or equivalent. Bench oriented and preferentially trained in an industry environment (biotech or pharma).
- Minimally 1 year hands-on expertise in the implementation of cell-based assays.
- Direct experience with mammalian cell culturing (transient transfections, stable cell line generation or lentiviral transduction) and cell-based technologies such as complementation or reporter gene assays is highly desirable.
- Independently operating a flow cytometer and experienced in single cell sorting is preferred.
- Skilled in antibody display to membrane protein targets, cell-based antibody screening and good knowledge of GPCR biochemistry and pharmacology are assets.
- Trained in molecular biology with hands-on knowledge of state-of-the-art cloning techniques and RT-qPCR.
- Excellent communication skills in English and can communicate research results to the team.
- Self-motivating, team-oriented, problem-solving skilled individual.

Our offer

- A competitive compensation package with extensive benefits.
- An entrepreneurial and stimulating international working environment in a growing and ambitious biotech company.

SOFTWARE FIELD APPLICATION SPECIALIST

Agilent inspires and supports discoveries that advance the quality of life. We provide life science, diagnostic and applied market laboratories worldwide with instruments, services, consumables, applications and expertise. Agilent enables customers to gain the answers and insights they seek ---- so they can do what they do best: improve the world around us. Information about Agilent is available at www.agilent.com.

As a **Software Field Application Specialist** you will be responsible for both pre- and post-sales software support, as well as for the successful provision of technical services and product deployment, delivery, and training to assure and safeguard a 100% customer satisfaction. Alissa is a clinical Software as a Service (SaaS) solution focussed on (routine) diagnostic use.

Your key responsibilities will include

Pre-sales

- Prepare for and manage all aspects of pre-sales demonstrations and trainings.
- Support customers in evaluating the products to bring the evaluation to a successful conclusion.
- Company representation at scientific conferences and trade-shows, including staffing of booth, demonstration of software and technical representation in customer meetings.
- Operate in a consultative fashion to match customer needs to solutions offered by the Company.

Post-sales

- Provide installation, training, product configuration, and professional services delivery support as needed.
- Handle product questions from customers regarding use and functionality of products -- First- and second-line support.
- Proactively identify potential customer issues with our products and coordinate corporate resources to provide solutions.
- Attend to customer satisfaction & product relevance through regular contacts via the Help Desk or customer training.
- Support in product testing, test case and test data set management.
- Participate as an active member of the team to provide feedback on product direction, customer requirements, market direction, and competitive landscape.

Background

- Master's or PhD Degree in Life Science (ideally in Biology, Bioinformatics, Genetics…)
- Significant experience on a customer/end user focused position, working with various stakeholders
- Good understanding of how Array CGH / NGS variant data is used and interpreted in a clinical/diagnostic setting.
- Full fluency in English is a must. Fluency in French is a strong plus
- Past experience with bioinformatics, scripting languages, linux / unix is a plus but not a requirement
- On a personal level, you are positive, curious and a good listener. You also have great communications skills to interact with a lot of stakeholders and you show a real can-do attitude. You are also willing to travel from time to time (domestic and international).

STAFF SCIENTIST FOR VIB VUB FACILITY FOR BIO ELECTRON CRYOGENIC MICROSCOPY BECM

The VIB Center for Structural Biology houses research groups with strong expertise in protein biochemistry, X-ray crystallography, NMR, biophysics, nanobody technology, and electron microscopy. Our department tightly collaborates with other VIB departments (www.vib.be) on cutting edge biological research problems ranging from human diseases to plant biotechnology.

Job description

The VIB Center for Structural Biology (CSB) in Brussels seeks to recruit a Cryo-electron Microscopy (cryo-EM) scientist to support and develop single-particle and tomography projects.
The research scientist will be appointed to the VIB-VUB facility for Bio Electron Cryogenic Microscopy (BECM, www.becm.be), which serves as a technology platform for CSB.
BECM has a state-of-the-art facility for cryo-electron microscopy and houses a JEOL cryoARM300 equipped with an in-column energy filter, phase plate, and K3 detector and is complemented by two screening JEOL JEM-1400 120 kV microscopes. The facility was established in 2018 and serves a large community of users including users from VIB, Belgium, and Europe from academia and industry.

Key responsibilities

- Support a range of cryo-EM projects through interaction with CSB and external scientists
- Contribute to the maintenance of the microscopes
- Contribute to the development of single-particle cryo-EM and/or implementation and development for state-of-the-art tomography
- Provide user training in experimental and computational aspects of cryo-EM

Profile

Key Experience and competences

- Master degree in Natural Sciences or higher
- At least two years of work experience in electron microscopy
- Basic knowledge of Linux and programming skills
- Good communication skills in English

Desirable

- Experience in structural biology
- Experience in single-particle or cryo-tomography data collection and analysis
- Flexible working practice
- Ability to troubleshoot
- Experience with multi-user facilities