

Dear colleagues,

Happy new year everyone!!

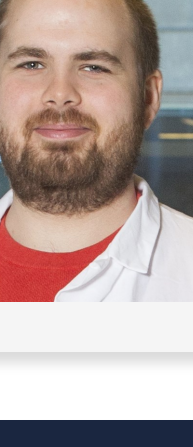
I hope you had a nice and relaxing holiday and are ready for an interesting and exciting 2022. Last year, many groups at the department succeeded in getting good funding for their research projects, so the research activity should be rather high in 2022 and the years to come. In addition, there are many new funding opportunities coming up, for example with the deadline for the research council of Norway already in a couple of weeks. Even though the overall success rate is not that high for this call, it is somewhat comforting to know that the success rate for the applications coming from our department often is quite a bit higher than the overall average. Best of luck goes to all the applicants!

The COVID situation has not improved the way we hoped for, and the restrictions we experience now are not that different from what they were a year ago. We are a very diverse institute with employs from many different countries and appreciate very much the input and efforts from everyone to make this institute successful with respect to teaching and research even during these rather difficult covid times. I'm impressed and thankful for the dedication and effort all of you have shown the last year! Even if the situation has been challenging in several ways, we have still had quite good productivity. But of course, we miss much of the social interactions we used to have, and there is no doubt that many things will be better when we are back to a more normal situation. Let's hope for improvement during the coming months!

We are looking at our 2022 department budget these days, and much of the focus this year will be on finding the best ways to cope with budget cuts that unfortunately are much more extensive than usual. This is of course not ideal, but is common for most of our sector these days and something we just must find solutions for. So, if you get the impression that we are more restrictive with the economy than usual at the departments, this is the reason. That said, I hope most of you will not experience too much of a difference.

I'm looking forward to find out what 2022 will bring us and wish for a stimulating year with exciting science, teaching and administration.

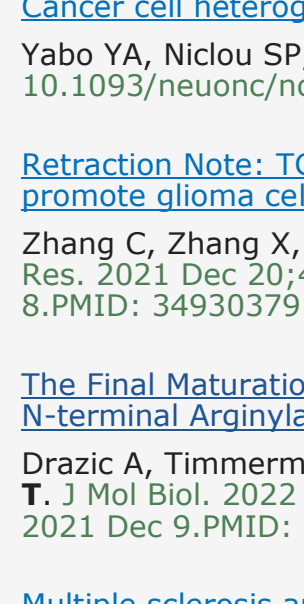
All the best for 2022,



Human Resources

Events for UiB employees	Benefits for employees at UiB	Vacant positions at the University of Bergen
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We welcome these new employees:



Fereshteh Kakisahneh started in a temporary position as coordinator for the Master's Programme in Biomedicine at the Section of Academic Affairs, on 06 January.



Trond André Kråkenes started in a temporary position as Staff Engineer in the Biorecognition Group/Martinez Lab, on 10 January.

Research, Science, and Seminars

Publications

The following list is the PubMed search result for "Bergen AND Biomedicine" since the last newsletter. Authors who attribute from the Department are shown in bold.

[Dendritic morphology of an inhibitory retinal interneuron enables simultaneous local and global synaptic integration](#).
Harvick E, Veruki ML, Zandt BJ.J Neurosci. 2022 Jan 7;NM-0695-21. doi: 10.1523/JNEUROSCI.0695-21.2021. Online ahead of print.PMID: 35017223

[C/EBPB-dependent adaptation to palmitic acid promotes tumor formation in hormone receptor negative breast cancer](#).
Liu XZ, Rulina A, Choi MH, Pedersen L, Lepland J, Takle ST, Madeleine N, Peters SD, Wogland CE, Grøndal SM, **Lorens JB**, Goodarzi H, Lønning PE, Knappskog S, Molven A, **Halberg N**. Nat Commun. 2022 Jan 10;13(1):69. doi: 10.1038/s41467-021-27734-2.PMID: 35013251

[Structural mechanism for tyrosine hydroxylase inhibition by dopamine and reactivation by serd40 phosphorylation](#).
Bueno-Carrasco MT, Cuéllar J, Flydal MI, Santiago C, Kråkenes TA, Kleppe R, López-Blanco JR, Marcella M, **Teigen K**, Alvira S, Chacón P, **Martinez A**, Valpuesta JM.Nat Commun. 2022 Jan 10;13(1):74. doi: 10.1038/s41467-021-27657-y.PMID: 35013193

[Current landscape and future perspectives in preclinical MR and PET imaging of brain metastasis](#).
Aasen SN, **Espedal H**, Keunen O, Adamsen TCH, **Bjerkvig R**, Thorsen F. Neurooncol Adv. 2021 Oct 14;3(1):vdab151. doi: 10.1093/oaajnl/vdab151. eCollection 2021 Jan-Dec.PMID: 34988446 **Free PMC article**. Review.

[Anti-PD-L1/TGF-βR fusion protein \(SHR-1701\) overcomes disrupted lymphocyte recovery-induced resistance to PD-1/PD-L1 inhibitors in lung cancer](#).
Cheng B, Ding K, Chen P, Ji J, Luo T, Guo X, Qiu W, Ma C, Meng X, **Wang J**, Yu J, Liu Y.Cancer Commun (Lond). 2022 Jan 3. doi: 10.1002/cac2.12244. Online ahead of print.PMID: 34981670

[Pharmacokinetics and Pharmacodynamics of T-Cell Bispecifics in the Tumour Interstitial Fluid](#).
Eigenmann MJ, Karlsen TV, Wagner M, **Tenstad O**, Weinzierl T, Fauti T, Grimm HP, Skogstrand T, Klein C, Sam J, Umana P, Bacac M, **Wiig H**, Walz AC. Pharmaceuticals. 2021 Dec 7;13(12):2105. doi: 10.3390/pharmaceutics13122105.PMID: 34959386 **Free PMC article**.

[Conditioned Medium from Bone Marrow Mesenchymal Stem Cells Restored Oxidative Stress-Related Impaired Osteogenic Differentiation](#).
Saleem R, Mohamed-Ahmed S, Elmour R, **Berggreen E**, Mustafa K, Al-Sharabi N.Int J Jms222413458.PMID: 34948255 **Free PMC article**.

[Cancer cell heterogeneity and plasticity: A paradigm shift in glioblastoma](#).
Yabo YA, Niclou SP, **Golebiewska A**. Neuro Oncol. 2021 Dec 21:noab269. doi: 10.1093/neuonc/noab269. Online ahead of print.PMID: 34932099

[Retraction Note: TGF-β2 initiates autophagy via Smad and non-Smad pathway to promote glioma cells' invasion](#).
Zhang C, Zhang X, Xu R, Huang B, Chen AJ, Li C, **Wang J**, Li XG.J Exp Clin Cancer Res. 2021 Dec 20;40(1):399. doi: 10.1186/s13046-021-02219-8.PMID: 34930379 **Free PMC article**. No abstract available.

[The Final Maturation State of β-actin Involves N-terminal Acetylation by NAA80, not N-terminal Arginylation by ATE1](#).
Dražić A, Timmerman E, Kajan U, Marie M, Varland S, Impens F, Gevaert K, **Arnesen T**. J Mol Biol. 2022 Jan 30;434(2):167397. doi: 10.1016/j.jmb.2021.167397. Epub 2021 Dec 9.PMID: 34896361 **Free article**.

[Multiple sclerosis and myelin basic protein: insights into protein disorder and disease](#).
Martinsen V, **Kursula P**. Amino Acids. 2021 Dec 10. doi: 10.1007/s00726-021-03111-7. Online ahead of print.PMID: 34889995 Review.

BBB SEMINARS

CCBIO seminar

Donald Gullberg from the Department of Biomedicine, University of Bergen, will give a talk entitled "α11β1, a mesenchymal collagen-binding integrin with a central role in tissue- and tumor fibrosis".

Position: Professor, group leader of the Matrix Biology research group and PI at the Center for Cancer Biomarkers (CCBIO).

Research field: The study of integrin α11 in the context of tissue and tumor fibrosis. Major projects within the group aim to further understand the role of the collagen receptor α11β1 and other fibroblast integrins during health and in disease.

Motivation: Collagen-binding integrins are predicted to play an important role in matrix remodeling in fibrotic diseases. Data suggesting a role of integrin α11β1 in matrix assembly will be presented.

Thursday, January 20, 14.30, on Zoom

BBB seminar

NBI Starting at 15.30

Mandana Hunter from the Center for Neurodegenerative Disease Research (CNDR), University of Pennsylvania, Philadelphia, USA, will give a talk entitled "Implications of the central nervous system immune response in a mouse model of sporadic ALS and other TDP-43 proteinopathies".

Position: Postdoctoral fellow mentored by Dr. Virginia Lee, the Director of the CNDR

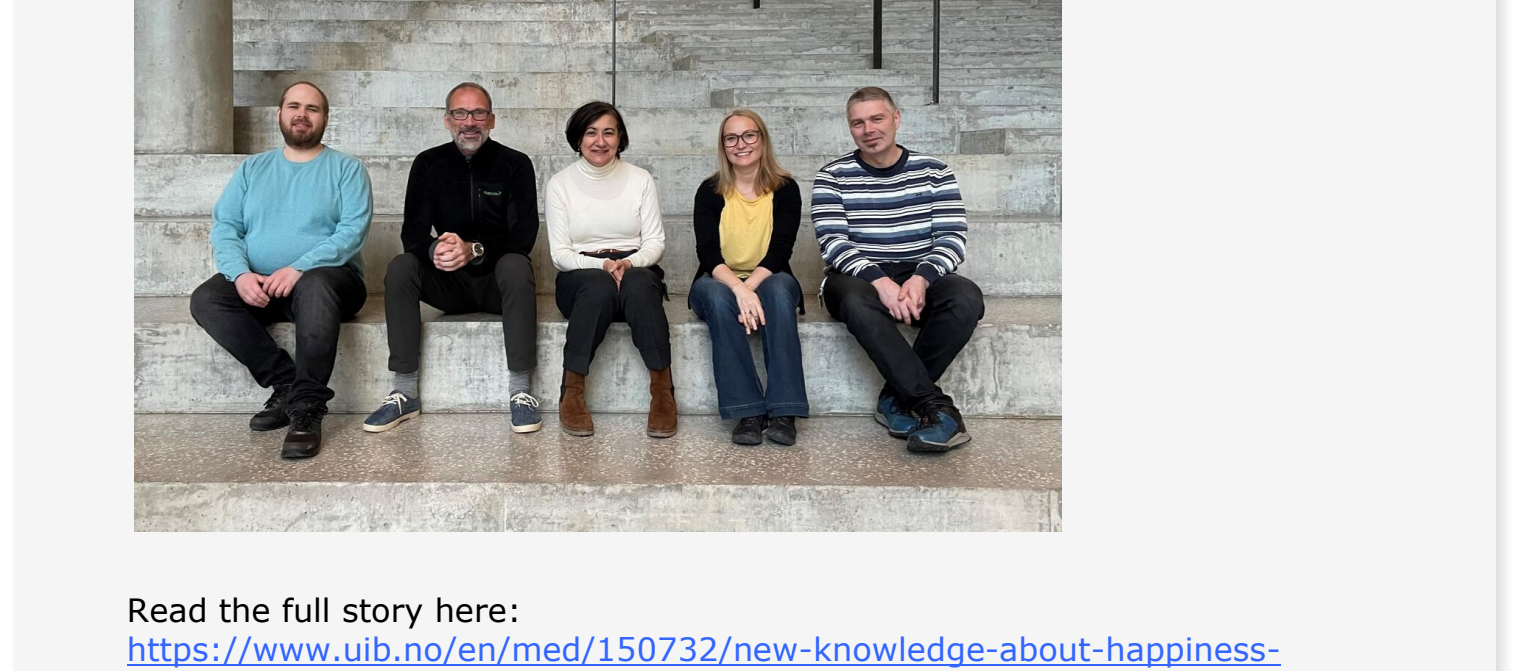
Research field: Dr. Hunter's research focuses on using integrative multi-omic and preclinical techniques to investigate mechanisms of neuroinflammation in degenerative brain diseases. In particular, she is interested in the role of the receptor tyrosine kinase Axl in microglial hyperimmune reactivity.

Motivation: Dr. Hunter has developed a project to investigate the efficacy of the drug bemcentinib to modulate Axl activation as an immunotherapy approach in the context of amyotrophic lateral sclerosis (ALS). This work is in collaboration with Dr. Jim Lorens and BerGenBio.

Thursday, January 27, 15.30, on Zoom

New knowledge of dopamine generated at the Department of Biomedicine

Important new knowledge about the "happiness hormone" dopamine, and how it can improve the lives of patients suffering from diseases such as Parkinson's, has recently been gained by researchers and staff from the Martinez Lab at the Department of Biomedicine.

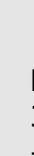


Read the full story here:
<https://www.uib.no/en/med/150732/new-knowledge-about-happiness-hormone-dopamine-can-help-parkinsons-patients>

Department of Biomedicine's popular science publications widely read

The website [Forskning.no](https://forskning.no), which is backed by 80 higher learning institutions in Norway, is a non-profit organization dedicated to publishing popular science articles accessible to the greater public. In the review of the top 10 most read chronicles of 2021, our own [Gro Vatne Røsvig](https://forskning.no/debattinnlegg-kronikk-meninger/kronikkene-som-skapte-mest-blest-i-2021/1959195) and [Karl Johan Tronstad](https://forskning.no/debattinnlegg-kronikk-meninger/kronikkene-som-skapte-mest-blest-i-2021/1962007), both from [Forskning.no](https://forskning.no), made it into its top 10 most read chronicles («kronikker»), as well as the most read articles category. Congratulations! Read more here:

<https://forskning.no/helse-om-forskningno/disse-artiklene-ble-mest-lest-i-2021/1959195>
<https://forskning.no/debattinnlegg-kronikk-meninger/kronikkene-som-skapte-mest-blest-i-2021/1962007>



Utlysning - Forslag til Falchs forelesning (The Falch Lecture) 2022

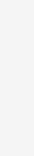
Fagmiljøene ved instituttene inviteres herved til å fremme forslag til Falchs forelesning 2022.

Rammen for tildelingen er kr. 30 000, til dekning av honorar og reise- og oppholdsutgifter. Kostnadsoverslag bes lagt ved søknaden. Det kan bli aktuelt med flere tildelinger.

Retningslinjer for Falchs forelesning:

1. Forslagsstiller er Styret som kan invitere generelt anerkjente forskere på Nobelprisenivå eller meget høyt internasjonalt nivå til å holde en gjesteforelesning og/eller seminar ved Det medisinske fakultet.
2. Styret kan invitere ansatte til å fremme forslag og dokumentere deres forskningsinnsats. Kriteriene kan være publisering i prestisjetung vitenskapelige tidsskrift, internasjonale priser, lederfunksjoner i tungtveidende og aktive internasjonale vitenskapelige sammenslutninger og konferanser.
3. Falch Lecturer bør ha samarbeid med eller bidratt på annen måte til forskningsvirksomheten ved Det medisinske fakultet. Dette er ikkevel et krav for å foreslå en kandidat.
4. Falch Lecturer tildeles diplom som markerer begivenheten.

Nominasjoner sendes til: okonomi@med.uib.no innen **27. januar 2022** og behandles av styret i Konsul Søren Falch og øyenlege Sigurd Falchs fond for medisinsk vitenskap.



Announcement - Nominations for The Falch Lecture 2022

The research milleus at the departments are hereby invited to submit nominations for The Falch Lecture 2022.

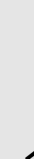
The award for the lecture is NOK 30 000, for covering fees and travel expenses. Cost estimates must be part of the submission. Multiple awards may be granted.

Guidelines for The Falch Lecture:

1. The Falch Foundation Board grants invitations, and may invite reknown researchers at Nobel Prize level or similar high international levels to hold a guest lecture and/or seminar at the Faculty of Medicine.
2. The Board may invite employees to promote submissions and document their research efforts. The criteria may be published articles in prestigious scientific publications, international awards, or leading functions in reknown and active international networks or conferences.
3. The Falch Lecturer should have collaborated or in other ways contributed to the research activity at the Faculty of Medicine. However, this is not a definite criteria for nomination.
4. The Falch Lecturer will be awarded a diploma to mark the event.

Nominations may be sent to: okonomi@med.uib.no within **27 January 2022** and will be processed by the Board.

Academic Affairs



Forskerlinjen søker forskningsprosjekter og veiledere

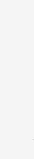
Ved Forskerlinjen er vi i full gang med å rekruttere studenter fra 2021-kullet med tanke på opptak på Forskerlinjen høsten 2022. Det er en absolutt fordel at aktive, interesserte studenter rekrutteres så tidlig som mulig i 2022, helst før sommerferien. Til enhver tid er det ca. 75-80 studenter som går på forskerlinjen, dvs ca. 10 % av studentene. Både studenter og veiledere melder tilbakke om gode erfaringer og god forskning. Mange studenter er godt i gang med sitt ph.d.-prosjekt. Vi har 17 plasser til disposisjon hvert år, 15 for medisn og 2 for odontologi.

Med dette inviterer vi deg til å levere inn prosjektforslag. Det er viktig at prosjektene er av en slik karakter at de lar seg gjennomføre i forskerlinjeløpet. Potensielle forskerlinjestudenter er genuint interesserte, de er smarte og vitebegjærlige, MEN det er viktig å huske at de fleste er unge og uten forskingerfaring. Dette innebærer at de trenger tett oppfølging i startfasen.

Forslag til prosjekter leveres inn forslag [her](https://forskning.no).

Du skal vinne studentenes interesse og entusiasme for feltet og faget. Ved opptaket i 2021 var det 23 søknader til 17 plasser.

Frist for innlevering: **28. januar 2022.**



The Medical Student Research Programme seeks research projects or supervisors

At The Medical Student Research Programme (MSRP), we are currently recruiting students from the 2021 class to the MSRP for the fall semester 2022. It is definitely an advantage that active, interested students are recruited as early in the year as possible, preferably before the summer holidays. At any given time, around 75-80 students attend the MSRP, around 10 % of the total number of students. Both students and supervisors give feedback about good experiences and excellent research within the MSRP. We have 17 slots available in total for the programme, 15 for medical students and 2 for dentistry students.

We hereby invite you to submit project proposals. It is important that the projects are of a nature which allows them to be completed within the study track of the MSRP. Potential MSRP students are genuinely interested, smart and with a high desire for knowledge, BUT it is important to remember that most are young and without research experience. As such, they will require a significant amount of following up during the start of their projects.

Project proposals may be submitted [here](https://forskning.no).

«Mingledag» onsdag 9. februar

Som tidligere ønsker vi å initiere større kontakt mellom studentene og forskningsmiljøene og inviterer dere til å presentere dere på stand. Vi vil forsøke å dele dere inn etter institutt. Det vil bli satt opp postervestetter i minglearealeet på BBB, **onsdag 9. februar, kl. 11.30-13.30**. Tilbakemeldingene vi har fått på dette opplegget er svært bra, både fra studenter og forskere.

Hvis du lurer på hva Forskerlinjen innebærer, finner du informasjon [her](https://forskning.no).

Du kan også kontakte [Anne Berit Guttormsen](mailto:Anne.Berit.Guttormsen@med.uib.no) (leder av forskerlinjen) eller [Marianne Sten](mailto:Marianne.Sten@med.uib.no) (fakultetskoordinator)

«Mingle Day» Wednesday 09 February

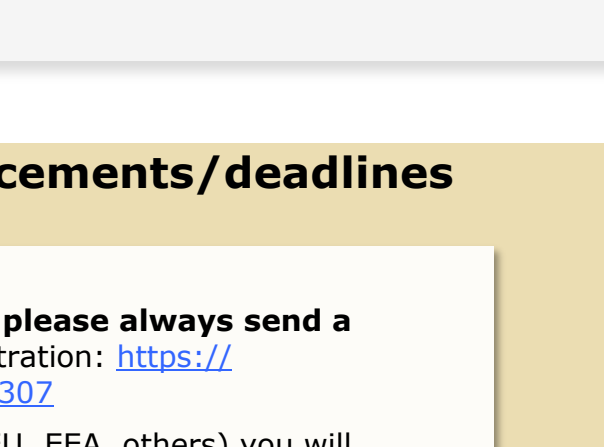
As earlier, we seek to initiate a greater level of contact between the students and the research environments, and invite you to promote yourselves by poster presentations to the students. We will divide you by the respective departments to the best of our ability. Poster walls will be erected in the main area of the BB building on **Wednesday 09 February, from 11:30 to 13:30**. The feedback this event has gotten in the past has been very good, both from students and researchers.

If you are curious towards what the MSRP is, you can find more

Funding Announcements

Reminder: Åsgård - exchange programme with France

The Åsgård program is an exchange program under the auspices of the Department of Science at the Institut français de Norvège and the Research Council of Norway.



Åsgård research

The "Åsgård Research Programme" is a project booster financed by the Research Council of Norway and the Department for scientific cooperation of the French Embassy in Norway. It aims at inviting **French and Norwegian scientists** for a one-week visit respectively to Norway or to France. During their stay, they will be given the opportunity to meet their counterparts, visit private and public research institutions, and give a series of lectures and courses.

Åsgård innovation

aims at inviting French and Norwegian **actors from the innovation and technology transfer fields** for a one-week visit respectively to Norway or to France. During their stay, they will be given the opportunity to meet their counterparts, visit private and public organizations.

Åsgård Staff

It aims at inviting French and Norwegian **administrative staff** working at universities, research centres and funding agencies for a oneweek visit respectively to Norway or to France. During their stay, they will be given the opportunity to meet their counterparts, visit private and public organizations

Åsgård Research+

It aims at inviting **French and Norwegian scientists** for a one-week visit respectively to Norway or to France. During their stay, they will be given the opportunity to meet their counterparts and **prepare a bilateral call** for applications or a French/Norwegian research project. The program is open to all researchers who wish to strengthen an existing French-Norwegian collaboration and specifically those who has participated in a program organized by the scientific department of the Embassy of France in Norway

Read more here: <https://www.france.no/no/ff/norge-oslo/vitenskap/samarbeidsprogrammer-vitenskap/asgard-programmet/>

Application deadline: 31 January 2022

Current funding announcements/deadlines

NOTE:

If you plan to apply for external funding, **please always send a short notice** to the Department administration: <https://skjemaker.app.uib.no/view.php?id=8157307>

For applications for international funds (EU, EEA, others) you will need approval from the Head of the Department and the University's division of research- and innovation. **Fill in this short statement (PDF)** and send it to the Department administration:
Janne.Gotaas@uib.no

Horizon Europe—European Research Council

Consolidator Grant

Researchers of any nationality with **7-12 years of experience since completion of PhD**. 2 million euros, 5 years.

Deadline 17 March 2022

Horizon Europe— Health Cluster

Research and Innovation actions (RIA) and Coordination and support actions (CSA) that address specific global societal challenges. Detailed information on these calls (and many more) is found in the latest draft of the [Work Programme, v.7](#) (PDF)

Contact person at UiB: katie.anders@uib.no

Research- and innovation activities:

- **Prevention of obesity throughout the life course** HORIZON-HLTH-2022-STAYHLTH-01-05-two-stage **Deadline 1.2.2022**
- Pre-clinical development of the next generation immunotherapies for diseases or disorders with unmet medical need, HORIZON-HLTH-2022-DISEASE-06-02 **Deadline 01.02.22**
- **Optimising effectiveness in patients of existing prescription drugs, for major diseases (except cancer) with the use of biomarkers**, HORIZON-HLTH-2022-TOOL-11-01 **Deadline 21.04.22**
- Development of new effective therapies for rare diseases, HORIZON-HLTH-2022-DISEASE-06-04. **Deadline 01.02.22**
- Trustworthy AI tools to predict the risk for chronic non-communicable diseases and/or their progression, HORIZON-HLTH-2022-STAYHLTH-01-04 **Deadline 01.02.22**
- Non-communicable diseases risk reduction in adolescence and youth, HORIZON-HLTH-2022-DISEASE-07-03 **Deadline 21.04.22**
- Computational models for new patient stratification strategies, HORIZON-HLTH-2022-TOOL-12-01 **Deadline 21.04.22**
- Personalised blueprint of chronic inflammation in health to disease transition, HORIZON-HLTH-2022-STAYHLTH-02-01 **Deadline 21.04.22**

Travel Grants

University of Bergen, The Faculty of Medicine TRAVEL GRANT

The Faculty of Medicine offers grants for research stays abroad for scientific staff in permanent positions, postdoctoral fellows with UiB-funding and PhD-candidates with UiB-funding. **Deadline 1 March and 1 October each year**

Research Council of Norway TRAVEL GRANTS

Scholarship for research stays abroad for 3 -12 months for PhD candidates and Post Doctors in projects with funding from the Research Council. **Deadline: continuing**

Helse Vest TRAVEL GRANT

granted for 6 or 12 months. Postdoctoral fellowship applicants are especially encouraged to apply for an overseas fellowship over the course of their fellowship period. **Continuing deadline**

ERASMUS+ staff mobility TRAVEL GRANT

Subsidising mobility of up to two months, for UiB staff including PhD-candidates and post docs, to attend courses or individual laboratory visits. Also have a look at the list of organized [staff mobility weeks](#).
Deadline: 20 August and 20 January each year

Newsletter from the Department of Biomedicine, University of Bergen

Published every second week

Editor-in-chief: Frode Berven

Editor: Stian Krog

Archive: <https://wiki.uib.no/biomed/index.php/Newsletter>

