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Denne ukas viktigste

Mer info om følgende utlysninger og mange flere (inkl. løpende, dvs. uten frister) finner du [her](#)
Husk å sende søknadsutkastet til post@bio.uib.no 1 uke i forveien (gjelder ikke mindre bevilgninger som legater og fonds)

Løpende	Stimulering til bilateralt forskningssamarbeid innenfor grunnleggende forskning (BILATGRUNN)	Løpende	Arrangementsstøtte HAVBRUK
		Løpende	Utenlandsstipend for FRIBIO-stipendiater
		Løpende	Nærings-PhD
		Løpende	Støtte til norsk deltagelse i etablering av forskningsinfrastruktur på ESFRI Roadmap 2008
12. aug	BIO internfrist HAVBRUK Yngre fremragende forskere	18. aug	Marie Curie individuelle stipend
2. sept	IS-AUR og IS-DAAD (NFR forskerutvekslingsprogram med Frankrike og Tyskland)	2. sept	HAVBRUK (Forskningsprosjekter, internasjonalt samarbeid)
		2. sept	NORGLOBAL
14. okt	NORKLIMA og HAVKYST (fellesutlysning fra Havet og kysten og NORKLIMA)	14. okt	HAVBRUK (Brukerstyrt havbruksforskning)

Essentials in English

No Campus bus during summer

The Campus bus will close down for the summer from week 27 - 31.

Best wishes for a good summer vacation!

This will be the last BIOInfo until mid-August. This week BIO's leadership is finalizing the 2010 Budget proposal, which must be submitted by 1 July – it will be added to the BIOInfo archive when it is finished.

Unifob re-invented

[Unifob AS](#) has a new name, a new web site and a new vision. This autumn the name "Unifob" will change officially to UniResearch. Les mer fra [På Høyden](#).



BIO+ 2009

The date is set: **Wednesday September 30**. The programme is not complete, but will be full of cultural input from local experts and will highlight the best of Bergen. Mark the date on your calendars!

Hilsen this year's committee (**Agnes Aadnesen, Beate Ulrikke Rensvik, Andreas Steigen**)

Hats off to BIO?

BIO has received a number of important prizes this year. It started last autumn with **Gaute Velle** (from Bergen Museum, but who teaches BIO-students) who was awarded the Faculty's lecturers prize ([foreleserpris](#)) for his contribution to teaching in zoology at the bachelor level in biology and aquaculture. BIO was then awarded UiB's [Ugleprisen](#). The course was later awarded the National prize in quality education ([Utdanningskvalitetsprisen](#)). BIO also has been awarded this year's [HMS-pris](#) from MatNat and now, UiBs [læringsmiljøpris](#).

Four of these five prizes relate to how it is to study at BIO – despite the fact that BIO has been strongly focusing on research groups and research the past five years. This serves to underline how important the relationship between good research and good education is.

BIO awarded top learning milieu prize 2009

In 2008 UiB established an internal prize to encourage high quality in learning milieus at the university. All students and student organizations are invited to nominate possible candidates. A jury composed of two faculty and two students decide which nominee will win the 50 000NOK prize. The first prize, awarded in 2009, was given to the Department of Biology. [Learn more](#).

Do you know someone who should be nominated for NFR's prizes for 2009?

The Research Council of Norway awards two prizes annually: one for excellence in research (1 million NOK) and the other for excellence in communication (250 000 NOK). Nominations are invited with accompanying justification and documentation. Nominations can be individuals or research milieus. Deadline for submissions is 21 August. Read more / Les mer [her](#).

Siste nytt fra BIO

God sommer!

Ferien står for døren for de fleste – mange av studentene har allerede tatt ferie (= sommerjobb, for mange) eller avsluttet studiet sitt. Til de siste er det bare å ønske lykke til videre, og til de andre å ønske velkommen tilbake etter sommeren.



Også de ansatte er i åpenbar feriestemning. God ferie, alle sammen!

Dette er vårens siste BIO-INFO. De neste dagene går med til å utarbeide budsjettforslaget for 2010 og årene deretter. Fristen vi har er 1.juli, og de som er veldig spent på innholdet, vil finne budsjettforslaget i BIO-INFO-arkivet en dag i begynnelsen av juli. Neste BIO-INFO kommer midt i august.

Men altså: nyt ferien!

Hilsen Jarl Giske

Workshop on mesocosm techniques in aquatic research Umeå Marine Science Centre, Sweden 13, 14 October 2009.

Through a grant from the Nordic Marine Academy, PhD students and young scientists from the Nordic and Baltic countries, Poland and Russia can apply for a fellowship that covers the costs (including travel costs) of participating in a workshop under the EU-funded project [MESOAQUA](#). Click here to [learn more](#).



Ruth-Anne Sandaa ansatt som førsteamanuensis i marin mikrobiologi

Fakultetsstyret ansatte denne uka [Ruth-Anne Sandaa](#) (44) som førsteamanuensis i marin mikrobiologi. Stillingen ble opprettet for å styrke en av BIOs (og UiBs) sterkeste forskningsgrupper. Dette skulle nå være sikret. Og dermed er byens mest berømte ompa-lompa-karriere definitivt på hell. Gratulerer, Ruth-Anne!



John-Arvid Grytnes ansatt som førsteamanuensis i botanisk økologi og bevaringsbiologi

Fakultetsstyret ansatte denne uka [John-Arvid Grytnes](#) (40) som førsteamanuensis i botanisk økologi og bevaringsbiologi. Gratulerer, John-Arvid! Dette er en ny stilling begrunnet i Lyngheisenteret, og der UiB og fakultetet til sammen styrker BIOs faste budsjett med ¾ av kostnadene ved stillingen. I stillingsomtalen sto følgende:

Denne stillinga skal styrke BIO sin forskingsprofil innan botanisk økologi og bevaringsbiologi. Spesielt ønskjer vi fokus på status, trendar og prosessar i dynamiske økosystem, samt effektar av økosystemendringar på populasjonsdynamikk og biologisk mangfald. Den som blir tilsett i stillinga må halda eit høgt internasjonalt nivå innanfor sitt primære forskingsfelt, men må også vere interessert i å bidra til utvikling av ein kunnskapsbasert naturforvaltning. Eit breitt teoretisk og metodisk tilfang vil vere ein føremon. Den som får stillinga må vere interessert i å bruke kystlyngheiene som modellsystem i forskinga si. Vi ser gjerne at systemet blir brukt komparativt og blir sett i ein global samanheng.



Resultat fra instituttrådsvalget

Resultatet av instituttrådsvalget for gruppene A, B og C er nå klart:

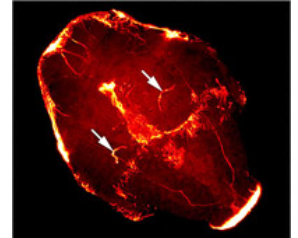
Medlemmer: Arild Folkvord, Vigdis Vandvik, Anders Fernø, Bjørn Arild Hatteland, Ellen Margrete Grong, Ståle Kolbeinson

Varamedlemmer: Knut Krzywinski, Lise Øvreås, Andreas Steigen, Kjersti Sjøtun, Sigurd Stefansson, Ingrid Wathne, Hans Tore Rapp, Anita Rønneseth, Solveig Thorkildsen, Annike Lygren, Heikki Savolainen, Beate Ulrikke Rensvik

Valg på studentrepresentanter vil bli foretatt etter ferien. Mer info om valget på BIOs [valgside](#).

Funding exchanges with Germany and France

This spring there have been a number of notices in the weekly update from the Research Council of Norway about funding programmes that support student and faculty exchanges with both Germany and France. BIO researcher, **Christiane Todt**, recently participated in a German exchange and highly recommends the experience. [Read more](#).



Siste nytt fra verden rundt oss

Mot et mer moderne museum

Arkitekter analyserer, rektor roser og planer er på plass. Hva skjer på Bergen Museum akkurat nå? Les mer i [På Høyden](#).

Sommerferie for Campusbussen

Campusbussen stenger som vanlig ned i sommer. Fra uke 27 til uke 31 går IKKE Campusbussen.

Siste kjøredag for Campusbussen i sommer er i dag fredag 26.juni 2009.

Første dag i rute etter sommerferien: Mandag 3.august 2009

Forhåndsvarsel - stipendiattreff 2009

Den 9. september i år skal det arrangeres "stipendiattreff" på Vitensenteret i regi av Bergens Forskningsstiftelse (BFS) - kfr. tilsvarende arrangement i fjor. Samtlige stipendiatler med tilknytning til UiB blir invitert. Det vil være plenumsinnlegg i auditoriet og tildelingen av BFS-midlene for dette året vil bli gjort kjent. Deretter vil vi ha litt musikk - det vil bli servert vin og mat ute i foajeen - og vi håper få i stand et hyggelig sosialt samvær.

Ledige stillinger for biologer

Sjekk oversikten på [jobbnor](#)!

Frist	Stilling
Now	Post-doc positions at Centre for Animal Movement Research, Lund University, Sweden
Now	Post-doc , Department of Plant Ecology and Nature Conservation, University of Potsdam
28.06	BIO: Stipendiat i marin mikrobiologi
29.06	PhD in Biology (Microbial Ecology) University of Tromsø
30.06	12 PhD positions at CEDREN (Centre for Environmental Design of Renewable Energy)
01.07	BIO: Forskar, Trait-based ecosystem models
03.07.	Australian Museum: Invertebrate Researcher
03.07.	Australian Museum: fish researcher
03.07	Senior researcher, biostatistics , Galway-Mayo Inst. of Tech. (GMIT) / Irish Marine Institute
15.08	Director Mammal Research Institute, Polish Academy of Sciences , Bialowieza, Poland.
15.08	BIO: Instituttleiar – åremålsstilling
31.08	PhD position in Geomicrobiology at Institute for Geosciences at the University of Tuebingen

Endeleg vedtak om instituttråda

Universitetsstyret gjorde torsdag i forrige uke eit endeleg vedtak i den omstridde saka om styringsformene ved institutta. Les mer [På Høyden](#)

Utenlandske forskere på vei til Norge

155 utenlandske ph.d-studenter og yngre forskere har fått Yggdrasil-stipend og inntar snart forskningsinstitusjoner over hele landet. [Les mer](#)

Ny doktorgrad

Disputas Christel Krossøy: "Får lakseyngel nok vitamin K i fôret?"

Christel Krossøy disputerer tirsdag 30 juni for ph.d.-graden med avhandlingen:

Vitamin K in farmed Atlantic salmon (*Salmo salar* L.) with emphasis on bone.

Veiledere har vært Rune Waagbo, Robin Ørnstrud, NIFES og Anna Wargelius, HI

Bedømmelseskomite:

Professor, ph.d. Simon Davies, School of Biological Sciences, University of Plymouth, UK,

Researcher, dr. scient. Synnøve Helland, Nofima Marin, Sunndalsøra og Senior Researcher Trond Brattelid, NIFES

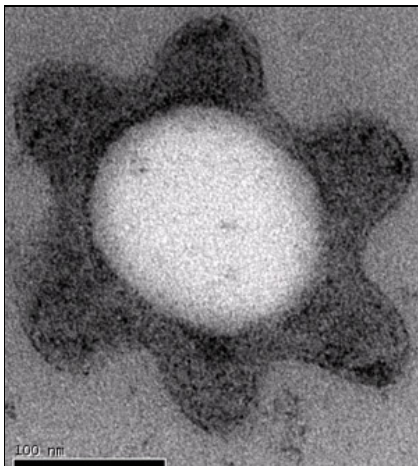
Leder av disputasen: Professor Harald Kryvi, Universitetet i Bergen

Tid og sted: Tirsdag 30. juni kl. 10.00, NIFES, Sildetønnen, Nordnesboder 4, 4. etg.

Alle interesserte er velkommen

<http://meldinger.uib.no/melding.php?kategori=6&id=44079>

Ukens bilde



TEM of a thermophilic bacteria

This Transmission Electron Micrograph was taken by **Tajul Islam**. It shows an isolate that utilizes methanol and methylamine as energy and carbon sources. It is the thermophilic methylotrophic strain LS7-MT, which was isolated from a thermal site of Lake Shalla in Ethiopia.

You are invited to submit photos (electronically!) for "Ukens bilde". Please include a very short description and credit information. Picture can be of researchers / students in action, technology, organisms, field sites ...

Please send your pictures to [Elinor Bartle](mailto:Elinor.Bartle@uib.no) (preferable format jpg, gif; size around 300px sq; saved for web - under 60kb).

Forskning: utlysninger, nye satsinger og prosjekter

Marine økosystemer: Klimaendringer, CO2 og fiskeriteknologi (NORKLIMA og HAVKYST)



Effekter av klimaendringer og økt CO2-innhold i havet og utvikling

av fremtidsrettet fiskeriteknologi er tema for en fellesutlysning fra Havet og kysten og NORKLIMA.

Hvis programmene får friske midler, settes det av 27 mill. kroner til denne utlysningen.

Søknadsfrist: 14.10.2009 13:00 [Les mer](#) (NORKLIMA) [Les mer](#) (HAVKYST)

Norge - global partner (NORGLOBAL)

Forskningsprogrammet *Norge – Global partner* (NORGLOBAL) er etablert for å styrke norsk forskning om og for utvikling i lav- og middelinntektsland og for å styrke forskningskapasiteten i disse landene. Programmet har et spesielt ansvar for å sikre kunnskapsutvikling innenfor utviklingsområdet i Norge. Ved å samle store deler av innsatsen på utviklingsfeltet oppnås bedre effektivitet, fleksibilitet, synlighet og tydelighet. Programmet vil ta opp i seg flere igangværende programmer og aktiviteter, og være åpent for nye innsatsområder. Programmet skal legge stor vekt på å løse oppgavene i samarbeid med andre programmer og aktiviteter i Forskningsrådet.

I alt fire utlysninger er publisert denne gang. Les mer om disse [her](#).

Nordisk samarbeid: Et unikt forskningsprogram

Nordisk Ministerråd har tatt initiativ til et felles, nordisk forskningsprogram. Nå har startskuddet gått for Toppforskningsinitiativet. [Les mer](#)



Avsluttende mastergradseksamen

Karin Schreier: Use of molecular phylogenetic analyzes to solve questions regarding populations of *Pleusymtes karstensi* and *Eusirus holmii* and to understand division in the Genus *Onismus*

Karin Schreier holder tirsdag 30. juni avsluttende presentasjon av sin mastergrad i Marinbiologi, Marin biodiversitet

Tittel på oppgaven: Use of molecular phylogenetic analyzes to solve questions regarding populations of *Pleusymtes karstensi* and *Eusirus holmii* and to understand division in the Genus *Onismus*

Tid og sted: Tirsdag 30. juni kl. 10:15 i Lite Auditorium, Datablokken HIB

Veiledere: Christoffer Schander, Kenneth Meland

Sensor: Rasmus Skern, HI. Bisitter: Svein Rune Erga. Alle interesserte er velkommen.

Mathias Stølen Ugelvik: Brood size in a subsocial bark beetle breeding in live plants

Mathias Stølen Ugelvik holder tirsdag 30. juni avsluttende presentasjon av sin mastergrad i Biologi, Biodiversitet, evolusjon og økologi.

Tittel på oppgaven: Brood size in a subsocial bark beetle breeding in live plants

Tid og sted: Tirsdag 30. juni kl. 11:15, Møterom 1104, BIO, Realfagbygget

Veileder: Lawrence Kirkendal

Sensor: Odd W Jacobsen, HiB. Bisitter: Bjarte Jordal. Alle interesserte er velkommen.

Alexander Tøsdal Tveit: Diversity, community composition and dynamics of methanogenic archaea in arctic peat soil and sediments

Alexander Tøsdal Tveit holder tirsdag 30. juni avsluttende presentasjon av sin mastergrad i Biologi, mikrobiologi.

Tittel på oppgaven: Diversity, community composition and dynamics of methanogenic archaea in arctic peat soil and sediments

Tid og sted: Tirsdag 30. juni kl. 10:15 i Aud 101, Jahnebakken 5

Veiledere: Vigdis Lid Torsvik, Lise Øvreås

Sensor: Øivind Enger, Forrinova. Bisitter: Hans Høie. Alle interesserte er velkommen.

Shale Rosen: The Behaviour of Atlantic Cod (*Gadus morhua*) in Relation to Capture by a Pelagic Trawl

Shale Rosen holder onsdag 8. juni avsluttende presentasjon av sin mastergrad i Fiskeribiologi og forvaltning.

Tittel på oppgaven: The Behaviour of Atlantic Cod (*Gadus morhua*) in Relation to Capture by a Pelagic Trawl

Tid og sted: Onsdag 8. juni kl 11:00 i Lille aud 2142, Datablokken, HIB

Veiledere: Anders Fernø og Arild Engås

Sensor: Asgeir Aglen, HI Bisitter: Mikko Heino. Alle interesserte er velkommen.

Ny medarbeider

Postdoc Mei-Yu Chang started as a Postdoctoral fellowship researcher from June 2009 under CalMarO the EU project. The aim of the project is comprehensive training of young researcher in the field of calcification of marine organisms based on a Network of thirteen research institutions and four SMEs. She would also join the FishPOPTrace project, which aims to discriminate and monitor the population of cod, herring, hake and sole by otolith. Her supervisor here is **Audrey Geffen**.



Mei comes from Taiwan. She got her PhD in National Taiwan University in 2008, and her PhD thesis was about using otolith microchemistry to classify the metapopulation of fish larvae. Last year she was a postdoctoral researcher in Institute of Oceanography in Taiwan University and worked on otolith elemental analysis of demersal fishes.

Gjesteforelesninger, seminarer og kollokvier

Invitasjon til EU-søknad skrivekurs med Sean McCarthy i Bergen

Course in How to Write a Competitive Proposal for Framework 7

Course presenter: **Sean McCarthy, Hyperion Ltd**, Cork, Ireland

Date: Thursday 27 August 2009, 09.00-15.30

Place: Egget - Auditorium Studentsenteret

Overview of the Course: The aim of this one day course is to train researchers, research managers and administrators in writing professional and competitive proposals for the Framework 7. The course describes the relevance of Framework 7 to EU policies, the common problems in proposal writing and the success criteria for proposals. The course provides tips on how to collect information, how to select strategic partners and how to avoid duplication in proposal writing. The final section describes a strategy for proposal writing.

The main objects of the course will be

Module 1: A Quick Overview of Framework 7

Module 2: How Proposals are Evaluated

Module 3: The Secrets of Framework 7

Module 4: How to Find the Best Partners

Module 5: How to Write the 'Potential Impact' of the Proposal

Module 6: How to Write the 'Project Implementation'

Module 7: How to Streamline Proposal Writing

More information about the course can be found on <http://www.hyperion.ie/FP7ProposalCourse.htm>

Lunch, coffee and tea will be served.

Registration within 24th August 2009 to: Mary.Helle@fa.uib.no

Arctic Frontiers 2010 – First call for papers

The scientific conference of Arctic Frontiers 2010 (27-29 January 2010 in Tromsø, Norway) consists of three parallel sessions that will focus on the effects of ongoing climatic changes on sea-ice and marine biodiversity as well as social science and health research on economy, self-governance, and well-being in Arctic communities;

- Session I: Ice and climate, including paleo climate
- Session II: Sustainable communities in the High North
- Session III: Marine biodiversity under change

We kindly invite the submission of oral and poster presentations on these topics.

DEADLINE for submission of abstracts: 19 October 2009.

For full details and instructions on submitting an abstract please see the [Arctic Frontiers homepage](#).

Nye artikler

Har du en artikkel, kapittel eller bok som ikke har stått her? Du kan sende bibliografi og abstract (helst i Word-format) til Jarl så snart du har sidetall.

La Duo: hvor gammelt er gjeterbruket i Tibet?

Georg Miehe, Sabine Miehe, Knut Kaiser, Christoph Reudenbach, Lena Behrendes, La Duo and Frank Schlütz 2009. How old is pastoralism in Tibet? An ecological approach to the making of a Tibetan landscape. *Palaeogeography, Palaeoclimatology, Palaeoecology* 276: 130-147

Abstract The Tibetan highlands host one of the world's largest pastoral ecosystems, but the evolutionary impact of the Tibetan nomadic livestock economy on the environment has not yet been investigated. Despite this grazing impact, the vegetation of the Tibetan highlands is widely believed to be natural. Our ecological approach to reconstructing the making of a pastoral environment uses the

present composition of the plant cover as a baseline. Today's prevailing plant functional types are grazing weeds highly adapted to grazing. The first pollen record of grazing weeds can thus be assumed to mark the onset of pastoralism, supposedly with goats and sheep introduced from the Middle East and the endemic large bovid of the yak, domesticated in the Tibetan highlands. This study represents the first attempt to determine the age of pastoralism with the help of palynomorphs using the indicator-species approach. This is independently corroborated 1) by the synchronous occurrence of pollen clumps indicating disturbance effects from trampling and 2) the precipitous decline of forest pollen on the eastern declivity of the highland during the mid-Holocene climatic optimum. As all pollen core sites currently have a climatic potential of forest as demonstrated by fruiting and progenitive forest relicts, it is suggested that early livestock holders continued to burn these forests to obtain pastures. The charcoal record supports this conclusion. It is hypothesized that the making of a pastoral environment in the Tibetan highlands started around 8.8 ka cal BP during the mid-Holocene climatic optimum. As the pattern of arboreal pollen decline at these sites contrasts with $\delta^{13}\text{C}$, $\delta^{18}\text{O}$, TOC content, C/N ratio, and ostracod assemblages that are independent of rangeland management decisions of early pastoralists, we may conclude that pastoralists took advantage of the mid-Holocene climatic optimum to convert forests into high-yield pastures. Using pollen clumps as a proxy for herbivore load suggests a tenfold higher amount of livestock than of wildlife before the introduction of pastoralism. In contrast to pastoralism in arid environments of the Old World's desert belt, pastoralists in the eastern Tibetan highlands created their own environment transforming forests and tall grassland into the present golf course-like pastures.

Cecile Jolly & Ian Mayer: miljøgifter med anti-androgen effekt

Jolly, C., Katsiadaki, I., Morris, S., Le Belle, N., Dufour, S., Mayer, I., Pottinger, T. G., & Scott, A. P. (2009). Detection of the anti-androgenic effect of endocrine disrupting environmental contaminants using in vivo and in vitro assays in the three-spined stickleback. *Aquatic Toxicology*, 92, 228-239

Abstract: We have previously developed a novel in vitro assay that utilises cultures of primed female stickleback kidney cells for the screening of potential androgenic and anti-androgenic environmental contaminants. Stickleback kidney cells are natural targets for steroid hormones and are able to produce a protein, spiggin, in response to androgenic stimulation. We undertook a combined in vivo/in vitro study where we used the magnitude of spiggin production as an endpoint to test the anti-androgenic properties of the pharmaceutical androgen antagonist flutamide and three environmental contaminants: the organophosphate insecticide fenitrothion, the urea-based herbicide linuron and the fungicide vinclozolin. In vitro, kidney cells were exposed to a range of concentrations [from 10⁻¹⁴ M (2.5 pg/L) up to 10⁻⁶ M (280 [μg/L])] of the test compounds alone for determining agonist activities, or together with 10⁻⁸ M (3 [μg/L] dihydrotestosterone (DHT) for determining antagonist activities. An in vivo flow-through aquarium-based study was carried out in parallel. Female sticklebacks were exposed to a range of concentrations of the same chemicals alone or in combination with DHT (5 [μg/L] for 21 days. All of the compounds significantly inhibited DHT-induced spiggin production in a concentration-dependent manner in both the in vitro and in vivo assays. Fenitrothion and flutamide inhibited spiggin production in vitro at a concentration as low as 10⁻¹² M (P < 0.05), while linuron and vinclozolin inhibited DHT-induced spiggin production at concentrations of 10⁻¹⁰ M (P < 0.05) and 10⁻⁶ M (P < 0.001) respectively. Similarly, fenitrothion and flutamide were the most potent chemicals in vivo and significantly reduced DHT-induced spiggin production at a concentration of 10 [μg/L] and 25 [μg/L] respectively (P < 0.01). Both linuron and vinclozolin induced a significant decrease in DHT-induced spiggin production at a concentration of 100 [μg/L] when tested in vivo. In addition, kidney cell primary culture was used to test the (anti-)androgenic effects of the major environmental contaminants: oestradiol (E2), nonylphenol (NP) and bisphenol A (BPA) for the first time in teleosts. We observed that these compounds were able to significantly inhibit spiggin production at high doses (E2: 270 [μg/L]; NP: 2.2 [μg/L]; BPA: 2.3 [μg/L]). When tested in the absence of DHT, none of the compounds showed a significant agonistic activity in either in vivo or in vitro assays. Overall, our data further demonstrate that kidney cell primary culture is a reliable and a sensitive screening tool for the detection of (anti-)androgenic compounds. In addition, our study represents the first attempt to develop a combined in vivo/in vitro screening strategy for assessing the effects of (anti-)androgenic endocrine disrupters.