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Fundraising, Award management, News and Communications

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**August 2015**

# RDO News

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Dear colleagues,

Welcome to another edition of RDO News.

As before, there is a comprehensive listing of funding opportunities for the next quarter and a listing of grants awarded to campus researchers. We hope you will find this information useful in planning your funding applications.

And yes! NCBS and inStem news is now on Facebook and Twitter! Do share!

Happy reading!

Savita Ayyar (on behalf of Team RDO).

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**Our research news**



There's lots of exciting science emerging from the campus and we are keen to share it.

If you have a paper accepted for publication and would like to make a splash about it, do write to us as soon as you hear from the journal.

The Communications Office can arrange for a news story to be written up about your paper for the NCBS/inStem websites and social media channels, respecting journal publication embargoes.

inStem and NCBS are now also on Facebook and Twitter (@instem\_India and @NCBS\_Bangalore). Our news stories on campus science and activities have reached a wider audience through these channels. Do follow us!

## Policy matters: Managing Conflicts of Interest



In accordance with DSIR policy, the campus encourages development and commercialization of inventions and innovations arising from our research. The campus permits its researchers to have equity stake in scientific enterprises and spinoffs while in professional employment. Our researchers are also permitted to serve in consultant roles or on advisory boards of external organizations, provided such roles are not in conflict with their primary responsibilities to the campus. Attempts of our researchers to balance campus responsibilities with external activities can result in conflicts regarding

allocation of time and energies. A new policy has been developed that addresses these conflicts and how they may be managed (see [https://www.ncbs.res.in/rdo/research\\_policies](https://www.ncbs.res.in/rdo/research_policies) ).

The RDO is first point of contact for all potential sponsorship of research on campus from philanthropic and for-profit sources.

## Know your colleague

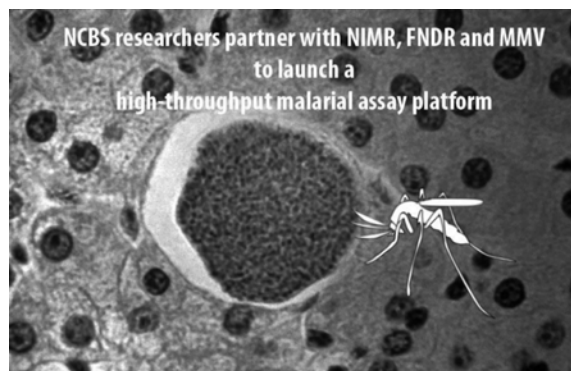
### P Kariappa

I did my Masters in Commerce from Bangalore University and a Diploma in Financial Management and Accountability from TATA Institute of Social Sciences. I have over twelve years of experience in accounting, budgeting and Financial Management. Before joining NCBS, I have worked with SOS Children's Villages of India, USAID and Karnataka Health Promotion Trust.

At NCBS, I am responsible for keeping the books of accounts up to date and preparing Utilization Certificates and Statements of Expenditure for the Extra Mural grants.



## Awarded grants



**Akash Gulyani** *Developing a novel intracellular sensor concept for drug screening and diagnostics* DST Indo-Swiss Joint Research Programme

**Aswin Seshasayee and Colleagues** *Understanding Disease Biology and Diagnosis of Bacterial Sepsis among Hospitalized Neonates: A Multi Centre Study* DBT

**Laasya Samhita** *Stress-dependent evolution of new traits in bacteria through manipulation of tRNA levels* India Alliance Early Career Fellowship

## News highlights



**Allaying the inflamed: A low-cost, safe, controlled drug delivery system for inflammatory bowel diseases and ulcers**

<https://www.instem.res.in/frontpage-news>

Vemula lab, publication in *Science Translational Medicine*

**City as a Superorganism – Installation by Simona Koch**

<http://news.ncbs.res.in/story/city-superorganism-%E2%80%93-installation-simona-koch>

bangaloREsidency at NCBS

**Praveen Vemula** *Effect of a locally delivered immunosuppressives encapsulated in self-assembled hydrogel systems on vascularized composite allotransplantation* DST Indo-Swiss Joint Research Programme

**Ravi Muddashetty** *Identification of microRNAs involved in fragile X syndrome (FXS)* DBT

**Reety Arora** *Elucidating the link between stemness and carcinogenesis - Through the lens of an oncogenic virus* India Alliance Early Career Fellowship

**Savita Chib** *Genome-wide approaches to investigate modulation of global gene regulatory networks in E. coli under prolonged stationary-phase* SERB Startup grant for young investigators

**Varadharajan Sundaramurthy** *Quantitative analysis of the modulation of host trafficking pathways by intracellular mycobacteria* MPG DST India Partner group award

**Varadharajan Sundaramurthy** *Assay development for P. vivax infected hepatocytes in MTCC plates* MMV

**The odour detectors: using biology to redesign communication**  
<http://news.ncbs.res.in/story/odour-detectors-using-biology-redesign-communication>

Olsson lab, publication in *Bioinspiration and Biomimetics*

**Life in the clouds: songbird pattern in the Western Ghats**

<http://news.ncbs.res.in/story/life-clouds-songbird-pattern-western-ghats>

Ramakrishnan lab, publication in *Proceedings of the Royal Society*

**Gateways to plant cells and the route to salt tolerance**

<http://news.ncbs.res.in/story/gateways-plant-cells-and-route-salt-tolerance>

Mathew and Mayor lab collaboration, publication in *The Plant Cell*

**25 years of puzzling over protein folding**

<http://news.ncbs.res.in/story/25-years-puzzling-over-protein-folding>

Celebrating 25 years of the Udgaonkar lab



## Forthcoming deadlines (<https://www.ncbs.res.in/rdo/forthcoming-deadlines>)

### Research grants

#### Return home Fellowship (IBRO)

**Remit:** To coordinate efforts with other organizations to (1) improve the opportunities for productive neuroscience research (allied to health services) within the less advantaged regions of the world and to (2) provide more aid to those researchers trained overseas who wish return to their home countries.  
**Budget:** 20,000 Euros

**Applicant eligibility:** Scientists who are developing a successful basic/clinical research career in a developed country and wish to return to their country of origin or to a less developed country

**Agency Deadline:** 1st Sep, 2015

**Web link:** <http://ibro.info/professional-development/funding-programmes/return-home-fellowships/>

#### Tata Innovation Fellowship (DBT)

**Remit:** To reward scientists with outstanding track record in biological sciences who has shown a deep commitment to find innovative solutions to major problems in health care, agriculture and other areas related to life sciences and biotechnology.

**Budget:** Salary incentive of 25000 pm, 6 lakh contingency

Applicant eligibility: Applicants must have a Ph. D degree in Life Sciences, Agriculture, Veterinary Science or a Master's degree in Medical Sciences

Duration: Three years extendable to further two years.

Agency deadline: 21st Nov, 2015

Web link: <http://www.dbtindia.nic.in/wp-content/uploads/Advt.-2015-16.pdf>

### **Small Grants Program (WWF-India)**

Remit: To support conservation research or undertaking a conservation project.

Budget: Rs 400,000

Applicant eligibility: Individuals based in India, who have developed and wish to implement short-term conservation research or initiatives that can contribute to larger conservation goals.

Duration: 6-24 months

Agency deadline: 31st Dec, 2015

Web link: [http://www.wwfindia.org/about\\_wwf/small\\_grants\\_program/](http://www.wwfindia.org/about_wwf/small_grants_program/)

## **International collaboration**

### **Finland: Indo-Finnish collaboration for Innovative health and well-being solutions (DBT-Tekes)**

Remit: To facilitate Indo-Finnish cooperation and support projects of both industrial and research organisations or in collaboration focused on health problems in India.

Budget: Manpower, equipment, consumables, contingency, travel and overheads.

Eligibility: Public and/or Private companies or academic institutions having a well established research support system for basic or applied research.

Duration: 4 years

Agency Deadline: 17th Sep, 2015

Web link: <http://www.dbtindia.nic.in/wp-content/uploads/Tekes-DBT-Call-for-Proposals27052015.pdf>

### **France: Indo-French Centre for the Promotion of Advanced Research (CEFIPRA)**

Remit: To support Indo-French collaborative research projects in the field of health and life sciences.

Budget: Manpower (SRF, JRF, RA), research cost and travel cost.

Eligibility: Permanent position in an Indian or French University/R&D Institution

Duration: 3years

Agency Deadline: 1st Oct, 2015

Web link: <http://www.cefipra.org/section.aspx?catid=876&langid=1>

### **France: Industry Academia Research & Development Programme (DST-CEFIPRA)**

Remit: To support collaboration between academia and industry from India and France in the field of affordable Medical Devices.

Budget: Up to Euro 200000

Eligibility: The proposal must involve at least one industrial partner from France and one from India and a research institute from France & one from India

Duration: 3 years

Agency Deadline: 31st Aug, 2015

Web link:

[http://cefipra.org/pdf/Special\\_Call\\_for\\_pre\\_proposal\\_under\\_Industrial\\_Research\\_Programme.pdf](http://cefipra.org/pdf/Special_Call_for_pre_proposal_under_Industrial_Research_Programme.pdf)

### **Germany: Max Planck Partner Group (MPG) at Indian Partner Institution (IPI) (MPG-DST)**

Remit: Fellowship for junior scientist/Post doc to promote cooperative research between the former research lab at MPI and institutions in India to allow continuation of the research interest.

Budget: MPG will allocate up to 20,000 euro p.a. for up to 5 years (initially for 3 years duration) for Partner Groups established at IPI. IGSTC (on behalf of DST) shall provide funding (max. of rupee equivalent of 20,000 euro p.a.) for matching the research activities, based on the budget projections made in the proposal as per the prescribed norms.

Applicant eligibility: Junior scientists/post doc and junior faculty level and maximum 38 years of age (i.e. on 1 January 2016) who has spent minimum 12 months at a MPI group lab.

Duration: 3 years (extendable to 2 years up to 5 years)

Agency deadline: 15th Sep, 2015

Web link: [http://dst.gov.in/whats\\_new/whats\\_new15/COP\\_DST-MPG.pdf](http://dst.gov.in/whats_new/whats_new15/COP_DST-MPG.pdf)

### **Japan: Indo-Japan cooperative science programme (DST-JSPS)**

**Remit:** To promote bilateral scientific collaboration between Indian and Japanese scientists through joint projects or workshops

**Budget:** Travel related cost (Airfare, visa, medical insurance etc). For joint workshops/ seminars to be organized in India, local travel cost of selected Indian participants and organizing expenses. For Japanese Researchers accommodation charges, per diem and domestic travel expenses in India.

**Applicant eligibility:** Scientists/ faculty members working in regular capacity in UGC recognized Universities/ Deemed Universities/ Academic Institutes and National Research & Development Laboratories/ Institutes.

**Duration:** 2 years

**Comments:** Areas supported include but not limited to Fundamental sciences, Natural sciences, Mathematics and computational sciences.

**Agency Deadline:** 8th Sep, 2015

**Web link:** [http://dst.gov.in/whats\\_new/whats\\_new15/COP\\_IJCSP2015.pdf](http://dst.gov.in/whats_new/whats_new15/COP_IJCSP2015.pdf)

### **Spain: Indo-Spanish joint call for technological co-operation in biotechnology (DBT-CDTI)**

**Remit:** To promote and fund market - driven research and technology development as well as to encourage partnerships and business-led R&D.

**Budget:** Manpower, equipment, consumables, contingency, travel and overheads.

**Applicant eligibility:** Public and/or Private companies or academic institutions having a well established research support system for basic or applied research.

**Duration:** 1 year to up to 3years

**Agency Deadline:** 30th Sep, 2015

**Web link:** [http://www.dbtindia.nic.in/wp-content/uploads/CFP2015\\_18052015.pdf](http://www.dbtindia.nic.in/wp-content/uploads/CFP2015_18052015.pdf)

## **International Exchange**

### **Brazil: Bilateral Scientific and Technological cooperation between the republic of India and the republic of Brazil in the area of Biotechnology**

**Remit:** To broaden and deepen cooperation in science & technology in the field of biotechnology and encourage industrial R&D and related investment in the field of agriculture biotechnology, bio-fuels, infectious diseases and biopharmaceuticals.

**Budget:** Travel and stay for exchange visits.

**Eligibility:** A principal investigator having permanent or temporary position (for at least 5 years) in collaboration with a mandatory co-investigator holding permanent position in a University or Research Institution.

**Duration:** 4 years

**Agency Deadline:** 30th Sep, 2015.

**Web link:** [http://www.dbtindia.nic.in/wp-content/uploads/IndoBrazil\\_JCP2016-19.pdf](http://www.dbtindia.nic.in/wp-content/uploads/IndoBrazil_JCP2016-19.pdf)

### **France: BIO-Asia a French initiative directed at Asia in order to strengthen high level scientific collaboration (MAEDI)**

**Remit:** To promote the scientific collaboration of French research unit with two Asian research units (Public or Private) in the field of biodiversity conservation and biotechnologies applied to health, sustainable cosmetics or food security.

**Budget:** EURO 40000 will partially fund the travel and organization of workshops.

**Applicant eligibility:** French researchers and researchers from member countries of the Association of South-East Asian Nations (ASEAN: Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam), as well as from Bangladesh, Bhutan, China, East Timor, India, Japan, Pakistan, South Korea, Taiwan.

**Duration:** 2 years

**Comment:** Application process in French

**Agency deadline:** 13th Sep, 2015

**Web link:** <http://www.campusfrance.org/sites/default/files/bio-asie-uk.pdf>

### **Germany: DAAD Sandwich Model Scholarships for PhD Registered students (DAAD)**

**Remit:** For collaborative PhD student of an Indian and German professor pursuing research in any discipline to pursue research in German lab.

**Budget:** Stipend, travel and accommodation cost and supervisor travel

**Applicant eligibility:** Within 3 years of PhD registration with a university in India at the time of application deadline

**Duration:** 1 year

**Agency deadline:** 1st Oct, 2015

Web link: [http://www.daaddelhi.org/imperia/md/content/newdelhi/ind\\_sandwich.pdf](http://www.daaddelhi.org/imperia/md/content/newdelhi/ind_sandwich.pdf)

### **Japan: MIF Research Fellowship (Matsumae International Foundation, Japan)**

**Remit:** To allow researchers to undertake short term research projects in an institute of choice in Japan

**Budget:** Stipend, Travel, insurance, relocation and living expenses

**Applicant eligibility:** PhD, permanent appointment in a research institute, age less than 49 years

**Duration:** 3-6 months

**Agency deadline:** 31st Aug, 2015

Web link: <http://www.mars.dti.ne.jp/~mif/>

### **USA: Research Internships in Science and Engineering (RISE) (IUSSTF)**

**Remit:** For students from U.S who intends to undertake internship at Indian research institutes in the field of science and technology.

**Budget:** Stipend, accommodation, and return air-fare

**Applicant eligibility:** U.S. Citizens or permanent residents and Indian Citizens. PhD and Master's students currently enrolled at a regionally accredited institution of higher education in U.S.

**Duration:** 3 Months

**Agency deadline:** 30th Nov, 2015

Web link: <http://iusstf.org/story/53-49-Research-Internships-In-Science-and-Engineering.html>

### **USA: Indo-US R & D Joint Networked Center (IUSSTF)**

**Remit:** To enable Indian and American scientists from academia and industries to carry out joint research activity in a 2+2 partnership mode.

**Budget:** Exchange visits ( including PhD & post doc scholars) with short stays up to 2 weeks and long stays up to 6 weeks

**Applicant eligibility:** Qualified researchers from all Science, Technology and Engineering disciplines working at Indian and American research institutions drawn from Academia, Laboratories and Industries.

**Duration:** 2 years

**Agency deadline:** 31st Aug, 2015

Web link: <http://www.iusstf.org/story/53-19-Indo-US-R--amp-D-Joint-Joint-Networked-Center.html>

### **USA: Eco-Devo-Eco Network Research exchange funds(EDEN-RCN)**

**Remit:** For exchange visits to facilitate collaborations between USA and other countries involving research on emerging model organisms, tools and techniques.

**Budget:** Travel and living cost

**Applicant Eligibility:** Faculty (with priority given to early-career faculty) of any nationality and from any institution

**Duration:** 3 Months

**Agency deadline:** 31st Oct each year

Web link: <http://edenrcn.com/funding/index.html>

## **Postdoctoral Fellowships**

### **Eco-Devo-Eco Network Research exchange funds (EDEN-RCN)**

**Remit:** For exchange visits to facilitate collaborations between USA and other countries involving research on emerging model organisms, tools and techniques.

**Budget:** Travel and living cost

**Applicant Eligibility:** Post docs and students of any nationality and from any institution

**Duration:** 3 Months

**Agency deadline:** 31st Oct each year

Web link: <http://edenrcn.com/funding/index.html>

### **Life Sciences Research Foundation (LSRF)**

**Remit:** Post-doctoral fellowship for Indian nationals to work in a non-profit institution in USA and for US citizen to carry out research in any country.

**Applicant eligibility:** For fresh PhDs and post docs

**Duration:** 3years

**Agency deadline:** 1st Oct, 2015

Web link: <http://www.lsrf.org/apply/application-instructions>

### **Marie Skłodowska-Curie Individual Fellowships (IF)-Global Fellowships (Marie Skłodowska-Curie Actions)**

**Remit:** Enabling researchers from EU member states or associated countries to be trained and acquire new knowledge in a high-level research organization in a Third Country (India eligible).

**Budget:** salary, mobility and research costs

**Applicant eligibility:** PhD from EU or Associated Countries.

**Duration:** 2-3 years inclusive of the obligatory return to host organization in the final year

**Agency deadline:** 10th Sep, 2015

**Web link:** <https://ec.europa.eu/research/participants/portal4/desktop/en/opportunities/h2020/calls/h2020-msca-if-2015.html>

### **Marie Skłodowska-Curie Individual Fellowships (IF)-European Fellowships (Marie Skłodowska-Curie Actions)**

**Remit:** Enabling researchers moving from Third Countries to work on projects in Europe.

**Budget:** salary, mobility and research costs

**Applicant eligibility:** PhD based in a Third Country (India).

**Duration:** 2-3 years

**Agency deadline:** 10th Sep, 2015

**Web link:** <https://ec.europa.eu/research/participants/portal4/desktop/en/opportunities/h2020/calls/h2020-msca-if-2015.html>

### **Newton International Fellowship**

**Remit:** To support early stage post-doctoral researchers from India to work at UK research institutions in the field of clinical or patient-oriented research.

**Budget:** 24,000 per annum for subsistence costs (tax exempt) and up to £8,000 per annum for research expenses.

**Applicant eligibility:** Applicants must hold a PhD and should have no more than 7 years of active full time postdoctoral experience.

**Duration:** 2 years

**Agency deadline:** 9th Sep, 2015

**Web link:** <http://www.dbtindia.nic.in/wp-content/uploads/CallClinicalresearch.pdf>

### **Return home Fellowship (IBRO)**

**Remit:** To coordinate efforts with other organizations to (1) improve the opportunities for productive neuroscience research (allied to health services) within the less advantaged regions of the world and to (2) provide more aid to those researchers trained overseas who wish return to their home countries.

**Budget:** 20,000 Euros

**Applicant eligibility:** Scientists who are developing a successful basic/clinical research career in a developed country and wish to return to their country of origin or to a less developed country

**Agency Deadline:** 1st Sep, 2015

**Web link:** <http://ibro.info/professional-development/funding-programmes/return-home-fellowships/>

### **Swiss Government Excellence Postdoctoral Scholarships for foreign researchers (EAER)**

**Remit:** To enable selected applicants to undertake a postdoctoral research in one of university/research institution in Switzerland listed in the call.

**Budget:** Salary, housing allowance and airfare.

**Applicant eligibility:** PhD degree, maximum 5 years between the award of the PhD and the application deadline.

**Duration:** 12months

**Agency Deadline:** 12th Nov, 2015

**Web link:** <http://www.sbf.admin.ch/themen/01366/01380/02593/02676/index.html?lang=en>

### **TWAS-DBT Biotechnology Fellowships for Postdoctoral Research in India (TWAS/DBT)**

**Remit:** For young scientists from developing countries (other than India) who wish to pursue postdoctoral research in biotechnology at key biotechnology research institutions in India through the Department of Biotechnology (DBT) of the Ministry of Science and Technology, India.

**Budget:** Stipend + HRA

**Applicant eligibility:** PhD Biosc/Biotech, citizens of developing countries outside India holding regular research position in home country, Age limit 40 yrs

**Duration:** 12-18 months

**Agency deadline:** 31st Aug, 2015

**Web link:** <http://www.twas.org/opportunity/twas-dbt-postdoctoral-fellowship-programme>

### **Research Associateship (DBT)**



Remit: To support post doctoral research in frontier areas of biotechnology and applied biology.

Budget: Salary and contingency

Applicant eligibility: For fresh post-docs, must be Indian nationals.

Duration : 2 years, extendable to 5

Agency Deadline: 30th Sep, 2015

Web link : <http://biochem.iisc.ernet.in/positions/DBT-RA-2015.pdf>

## Organising meetings and workshops

### **Indo-US Bilateral Workshops/ Symposia/ Conferences (IUSSTF)**

Remit: To support activities, events, and initiatives that promote interactions between the scientific and research communities in India and the US.

Applicant eligibility: Qualified scientist from all science disciplines working at Indian and American institutions.

Budget: Travel, visa fees, accommodation, events costs, other associated costs

Agency Deadline: 31st Aug, 2015

Web link: <http://www.iusstf.org/story/53-17-Bilateral-Workshop--Symposium--Conference.html>

### **Scientific Meetings grant (Company of Biologists)**

Remit: To fund the organisation of meetings, workshops and conferences within the fields of the company's journals.

Applicant eligibility: Organiser must have a PhD and must be in the organising group for the meeting. No nationality or geographic restrictions but preference given to events where organisers have sought maximal feasible diversity in speakers in terms of geography, gender and age.

Budget: Funds for organizing of meetings, support of young scientists and funding for plenary or keynote speakers attending meetings

Agency Deadline: 9th Sep, 2015

Web link: [http://www.biologists.com/scientific\\_grants.html](http://www.biologists.com/scientific_grants.html)

### **Small Meetings grant (Company of Biologists)**

Remit: To fund the organisation of a small local meeting within the fields of the company's journals.

Applicant eligibility: Organiser must have a PhD and must be in the organising group for the meeting.

Budget: Level of funding normally not exceeding £300

Agency Deadline: 10th Sep, 2015

Web link: [http://www.biologists.com/small\\_grants.html](http://www.biologists.com/small_grants.html)

### **Indo-French Seminars and workshops (CEFIPRA)**

Remit: For organization of joint seminars and workshops by French and Indian scientists held in either country.

Applicant eligibility: At least 4-5 lead scientists from all science disciplines working at Indian and French institutions

Agency Deadline: 1st Oct, 2015

Web link: <http://www.cefipra.org/section.aspx?catid=881&langid=1>

### **International Scientific meetings (TWAS)**

Remit: To support organizers of international and regional scientific conferences, workshops, symposia and special meetings in the developing world.

Applicant eligibility: Organiser must be from developing country.

Agency deadline: 1st Dec, 2015

Web link: <http://twas.org/opportunity/twas-grants-scientific-meetings-held-developing-countries>

## Travel grants

### **International Travel Grants (IBRO)**

Remit: For participation in international Neuroscience meetings

Budget: Maximum funding of upto 1500 Euros

Agency Deadline: 1st Sep each year

Web link: <http://ibro.info/professional-development/funding-programmes/travel-grants/>

### **Travelling Fellowships (Company of Biologists)**

Remit: For researchers wishing to make collaborative visits to other laboratories

Budget: maximum upto £ 2500

Applicant Eligibility: Students/ Postdoctoral researchers

Agency Deadline: 31st Aug 2015

Web link: <http://www.biologists.com/fellowships.html>

## Entrepreneurship/ technology development grants

### **Contract research and service scheme for Academia-Industry Collaboration (CRSS) (BIRAC)**

Remit: To support academia for taking up proof of concept of their leads/technologies to commercial scale.

Budget: The academic partner will be provided Grant-in-aid for further translational work required at their site (if any) and for the contract research/service component(s) to be outsourced to the collaborating company

Applicant eligibility: One academic (primary applicant) + private company partner

Agency deadline: 15th Sep, 2015

Web link: [http://www.birac.nic.in/cfp\\_view.php?id=43](http://www.birac.nic.in/cfp_view.php?id=43)

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