

## Approach 2

# Capacity Development in Women Researchers' Research Activities

## 1 11<sup>th</sup> Women Researcher Encouragement Award

With the aim to increase the research motivation of the entire group of women researchers, a “women researcher” encouragement award has been established at Hiroshima University since 2007 to grant research funding to young and distinguished researchers who currently lack it. This year, we particularly focused on those who are aspiring to conduct research activities abroad, and following a strict evaluation process, the three awards below were awarded to grant a total of 3,000,000 JPY of research funding.

### 2018 11<sup>th</sup> Women Researcher Encouragement Award Recipients

Name	Associated Department	Title	Research Title
Mihoko Tominaga	Graduate School of Education	Associate Professor	Research on delicious educational activities with cooking experiences at the core: The effectiveness of delicious science education that incorporates molecular cooking
Kanako Nozaki	Graduate School of Biomedical and Health Sciences	Researcher	Evaluation of the efficacy of anti-depressant drug candidates and clarification of their mechanisms with anhedonia behavior of the depression model as an index
Yumi Hoshino	Graduate School of Biosphere Science	Assistant Professor	Building a good ovum model for the prediction of development potential and soundness diagnosis

## 2 2<sup>nd</sup> Women Researcher Joint Research Funding System

With the aim to cultivate the leadership skills of women researchers, we called for joint research studies by Mazda Motor Corporation, Delta Kogyo Co., Ltd., and International Development Center. Following a strict evaluation process, we selected three research projects and awarded a total of 5,000,000 JPY of research funding.

### 2018 2<sup>nd</sup> Hiroshima University Women Researcher Joint Research Funding System List of Selectees

Name	Associated Department	Title	Research Title
Tomomi Yamane	Education Development International Cooperation Research Center	Researcher	Basic study on the effectiveness of global goals toward awareness of Sustainable Development Goals (SDGs)
Makiko Kodama	Graduate School of Education	Professor	Examination of the impacts of Mazda Motor Corporation's human resources development internship (short-term course) and its ideal state for the future
Hitomi Ogata	Graduate School of Integrated Arts and Sciences	Assistant Professor	The effect of sleep quality on evacuees' physiological indicators

## 3 1<sup>st</sup> Women Researcher Overseas Joint Research Funding System

This system for women was newly established with the objective of accelerating international collaborative research by young women researchers using funds donated by the Micron organization. This is the first fiscal year and measures amounting to approximately 3.5 million yen were taken with regarding to the following four items.

### 2018 1<sup>st</sup> Hiroshima University Women Researcher Overseas Joint Research Funding System List of Selectees

Name	Associated Department	Title	Research Title
Kasaragod Deepa Kamath	Graduate School of Biomedical and Health Sciences	Assistant Professor	Micrometer-scale tomography of whole mouse brain using polarization-sensitive optical coherence tomography and validation using rapid histological imaging
Megumi Watanabe	Comprehensive Strategy Office	Lecturer	An empirical analysis of multiplex social networks among university faculty in the US

Name	Associated Department	Title	Research Title
Yui Arimatsu	Graduate School of Letters	Assistant Professor	The rebuilding of human history in the border regions of Eurasia –Establishing the chronology for the clarification of the inequality formation process–
Kumrungsee Thanutchaporn	Graduate School of Biosphere Science	Assistant Professor	Increase in homocarnosine in skeletal muscle by $\gamma$ -aminobutyric acid intake promotes muscle injury repair

## 4 Gender Equality Awareness-Raising Seminar

- Date/Time:** September 4, 2018 (Tues.); 13:30–15:00
- Location:** Hiroshima University Department of Education A214 (small conference room)
- Instructor:** Prof. Dr. Ulrike Demske (Potsdam University)
- Participants:** 10 people (two students, eight faculty members)
- Details:** A seminar with a round-table discussion format was held concerning women researchers who have had successful careers at German universities. It was a good opportunity to hear how women researchers engage in research and education and build their careers in Germany, where there is a long history of academics.



**男女共同参画意識啓発セミナー**

ドイツの大学で活躍している女性研究者を招いた座談会形式のセミナーを行います。学術の長い歴史をもつドイツにおいて、女性研究者はどのようにして研究や教育に専念し、キャリアを築んでいくのでしょうか。基壇にご参加ください。(日本語開催)

**講師 (Speaker)**  
**University of Potsdam ポツダム大学**  
**Prof. Dr. Ulrike Demske**

【講師紹介】  
 ポツダム大学 (ドイツ) および  
 エルランゲン・イン・ウルム大学 (ドイツ)  
 にてドイツ語・文学、教育学を専攻、  
 博士号取得後、マサチューセッツ大学  
 (アメリカ) で博士号取得。ポツダム大学  
 でドイツ語教授資格取得。ポツダム  
 大学を専攻して、2011年より現職。

**日時 (Date)** 2018年9月4日 (火) 13:30-15:00  
 【セミナー】 13:30-14:30  
 【自由相談】 14:30-15:00

**会場 (Venue)** 教育学部A214 (小会議室)  
 Faculty of Education A214

**参加言語 (Language)** ドイツ語・英語 / German・English  
 ※参加者の数や希望に応じて、ご自由に  
 参加いただけます。

【主催】ポツダム大学・研究開発推進センター (研推) |  
 国際化推進センター (国際推進センター) |  
 【協賛】広島大学 国際化推進センター (Research Planning Office)  
 Mail: [icp@hiroshima-u.ac.jp](mailto:icp@hiroshima-u.ac.jp)

## 5 English Essay-Writing Seminar (Nature Academies)

- Date/Time:** March 7 (Thurs.), 8 (Fri.), and 9 (Sat.), 2019; 9:00–16:30
- Location:** Information Media Education Research Center seminar room Kasumi Campus, No. 1 Conference room, 2F Clinical Building
- Participants:** A total of 23 researchers from collaborating organizations and industry, academia, and government diversity conference member organizations.
- Details:** Across the three fields of natural sciences, social sciences, and humanities and medicine, an interactive essay-writing workshop was held by experienced editors from Nature magazine.



**Nature Research Academies** Mar. 7-9

Nature Research Academiesとは、Nature社の編集者によるオンラインワークショップは論文執筆ワークショップ・講座です。英語での論文執筆を目標する方は基壇にご参加ください!

分野	Science and Technology	Social science	Clinical research
会場	情報メディア教育研究センター (広島大学) (ICP)	情報メディア教育研究センター (広島大学) (ICP)	情報メディア教育研究センター (広島大学) (ICP)
日時	3/7(木) 9時~17時	3/8(金) 9時~17時	3/9(土) 9時~17時
定員	100	100	40

申し込み: <https://forms.gle/8m227813258446>  
 申し込み締切: 2019年3月5日 (水) 17時 締切  
 参加費: 無料 (基壇にご参加ください)

お問い合わせ: [icp@hiroshima-u.ac.jp](mailto:icp@hiroshima-u.ac.jp)

## 6 English Presentation Seminar

- **Date/Time:** March 15 (Thurs.) and 16 (Fri.), 2019; 9:00–16:00
- **Location:** (Higashihiroshima campus) Information Media Education Research Center seminar room (Kasumi campus) No. 2 Conference room, 3F Clinical Building
- **Participants:** Participation from a total of 30 women researchers and staff from related organizations
- **Details:** Lecturers with experience of overseas employment in private organizations were invited to hold practical seminars regarding knowledge and skills in connection to effective English presentations for research announcements and discussions. During the seminar, the participants held exchanges through practice, including making actual presentations on their specialist fields.



## 7 2018 Women's Success Promotion Seminar

In order to expand the horizons of women researchers in science and technology, keynote speeches and special talks were held regarding the following themes and mutual awareness was raised in question-and-answer sessions.

- **Date/Time:** March 1, 2019 (Fri.); 15:30–17:00
- **Location:** Hotel Granvia Hiroshima
- **Topic:** “Points to be aware of when developing women in the field of natural science”
- **Participants:** 36 people (staff from Cooperating Organizations and Member Organizations)
- **Schedule:**

**Opening Remarks:** Misako Aida (Hiroshima University Director/Vice-President of University Reform)

**Keynote Lecture:** Professor Yumi Inada (Associate Professor, School of Childhood Sport Education, Nippon Sport Science University)

Topic: “Natural science education and gender: The current state and problem areas of elementary and middle school education”

**Special Lecture:** Professor Yasuko Morinaga (Professor, Graduate School of Education, Hiroshima University)

Topic: “‘Unconscious bias’ and gender: When the imagined belief that ‘because I am a woman...’ decreases women’s motivation”

**Q&A:** 16:45

**Closing Remarks:** Yoko Ishida (Hiroshima University Deputy Director of Gender Equality, Head of Gender Equality Promotion Office, Education Development International Cooperation Research Center Professor)

### <Voices of the participants (excerpts)>

- It was interesting that women’s dislike for science is based more on emotion than knowledge. Also, I realized that efforts toward educational methods during junior high school are the key.
- I clearly understood that women’s desires are lowered by prejudice from “unconscious bias.”
- I renewed my understanding that there are limits to school education in breaking down the fixed ideas of women about “science,” and that there is a need to change society as a whole.
- I think that Japan will decline in international competitiveness if it does not strategically promote natural sciences education.
- I knew the phrase “unconscious bias,” but it also made me think deeply about the issue of “positive discrimination.”



(Keynote speech from Associate Professor Inada of Nippon Sports Science University)



(Special talk by Professor Morinaga of Hiroshima University)