Live Locally, Grow Globally
生活于地域，发展于世界
지역에 살며 세계로 발전해 나가다
Дэлхийн хэмжээнд сэтгэж, нутгийн хэмжээнд үйлдэх
Berjiva Lokal, Bertumbuh Mengglobal
Buhay Lokal, Unlad Global
ท้องถิ่นเป็นฐาน สายสู่โลก
Sống ở địa phương, vươn ra thế giới.
শহরে বসবাস, বিশ্বে বিকাস
रेस में निवास, विश्व में विकास
ربين مقامى ، بنين آفاقى
عشق في بيتك، وانفتاح على العالم
Bölgesel yaşamak, küresel büyümek
Maisha ya Karibu, Hukuwa Mbali Duniani
Живи локально, расти глобально
Élj lokalisan, nój globálisan!
At leve lokalt og vokse globalt.
Lev lokal, väx global
Leb in der Region und bilde dich in der Welt aus.
Vivre localement, grandir universellement
Vivere localmente, crescere globalmente
Viviendo en la región, proyectándose al mundo.
Viver Localmente, Crescer Globalmente!
地域に生き世界に伸びる
Open Education
Train students to search for the truth and explore knowledge beyond university campuses to the larger society.

Open Innovation
Foster a fundamental shift from "industry-university collaboration" to "industry-university co-creation." Discover new themes and leads in basic science by satisfying emerging social demands.

Open Research
Support Open Research by respecting the freedom and encouraging the position of individual researchers. Establish academic partnerships across the world on an equal footing.

Open Community
Strengthen local and global science and contribute to optimal social development through our strength in science, culture, art and medicine.

Open Governance
Safeguard the very essence of society through continual reform and improvement by maintaining the agency of every member of the university.

We define it as individuals and organizations sharing a common foundation, competing and building together, overcoming internal and external obstacles, and collaborating to create new knowledge and lasting impact for society.
One of the World’s Leading Innovative Universities

Aut’s Most Innovative University 2014 | 18th The World’s Most Innovative University 2015 | 18th
Regulatory T cells (Trgs), discovered by Dr. Shimon Sakaguchi, have been drawing attention in cancer immunotherapy. However, since Trgs suppress the immune cells that attack cancer, they are thought to be disadvantageous for antitumor immunity. Sakaguchi and his team introduced Treg-depleting expressing a nuclear transcription factor FoxP3 as a novel level found in colorectal cancer (CRC). Inflamed CRC tissue showed increased FoxP3 expression. FoxP3+ Treg cells suppress antitumor immunity. Their findings suggest that Treg cells are involved in the induction of microbial chronic infection. Recently, they also found that CRC-specific bacteria-species are involved in the induction of FoxP3+ Treg cells, enhancing tumor immunity. Their findings suggest the potential of using CRC-specific bacteria as a novel treatment strategy (Sakaguchi et al., 2016).

Toshihiko Kinoshita
Director
CINet
Center for Information and Network Technologies (CINet)
Specially Appointed Professor
Graduate School, Information Sciences

#RESEARCHITALL

Because the power of the brain...

As Director of the Center for Information and Network Technologies (CINet), I invite you to explore the remarkable world of innovations with us.

As we enter a new age of understanding the brain, we are close to discovering its limitless secrets about computation and information networks. For example, how can the brain process so much information with so little power requirement? How can it transpose diverse sources of information so efficiently? How can it make highly intelligent decisions so quickly? By answering these questions, we aim to harness the potential of neuroscience in applications to ICT, robot, and AI technology.

CINet is an interdisciplinary advanced neuroscience research institute established by Osaka University and the National Institute of Information and Communication Technology (NICT). It is Japan’s flagship initiative to develop a new generation of intelligent technologies that will revolutionize our lives and society. Please join us and be part of the future!
Cross-coupling reactions, which are indispensable in organic synthesis of pharmaceutical products and organic electronic materials, along with other valuable organic substances, have recently become extremely necessary technology in a wide variety of industrial fields. Dr. Miura developed a new method for which a green cross-coupling can be conducted without any indensation or modification of the starting substances. This new process is able to be accomplished without the intermediate steps to provide the target materials in an easy and simple manner. The latest achievement: "Synthesis of Benzoic- and Benzoic-Substituted Biphenyl-Coupled Multiple Intermediates of GlC-8 Coupling" (Chem. Lett. 2015).

Yuki ARASE
Associate Professor
Graduate School of Information Science and Technology

Language is the primary tool for communication, and thus, texts are the grid map of human knowledge. Such knowledge is critical for Artificial Intelligence (AI) as a brain resource. Meaning of texts is composed of not only words but structures that enable to form words and convey complex information. Dr. Arase is developing mechanisms that consider both words and structures for processing texts. One of her systems automatically identifies phrases with the same meaning by combining words and structural information in texts. Such language resources are important for mining valuable knowledge from texts. Furthermore, they contribute to developing machine-reading capabilities in AI for smooth and natural communication with people.
Osaka University is ranked first among universities in Japan for the number of researchers included on Thomson Reuters’ list of “The World’s Most Influential Scientific Minds” for 2016.

5 Immunology
2 Chemistry
1 Biology & Biochemistry
1 Plant & Animal Sciences

Japan’s Most Innovative University

#INNOVATEITALL
#DOITALL at OU

Voices of Faculty and Staff

Academic Staff

<table>
<thead>
<tr>
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Researchers

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International Researchers

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Part-Time Staff

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</table>


113 Inter-University and 556 Inter-Faculty Academic Exchange Agreements (as of February 1, 2017)

Australia
- Australian National University
- Macquarie University
- The University of Adelaide
- The University of Queensland

Austria
- University of Vienna
- University of Graz
- University of Innsbruck

Belgium
- Université libre de Bruxelles
- Université catholique de Louvain
- Université de Liège

Brazil
- Universidade Federal do Rio de Janeiro

Canada
- McGill University
- McMaster University
- The University of British Columbia
- University of Toronto

China
- Zhejiang Normal University
- The Chinese University of Hong Kong
- Fudan University
- Nanjing University
- Peking University
- Shanghai Jiao Tong University
- Tsinghua University
- Zhejiang University

Denmark
- University of Copenhagen

Egypt
- Ain Shams University

Finland
- Åbo Akademi University
- University of Helsinki

France
- Amiens University
- Commonwealth Université Grenoble Alpes
- École Nationale Supérieure de Chimie de Paris
- École Polytechnique
- The National Center for Scientific Research
- Paris 6 and Paris 7 University
- Université de Rennes 1
- Université de Strasbourg

Germany
- Bonn University
- Heidelberg University
- Humboldt-Universität zu Berlin
- Ludwig-Maximilianeum Universität München
- Ruprecht-Karls-Universität Heidelberg
- Technical University of Munich

Hungary
- Eötvös Loránd University

India
- Indian Institute of Technology Delhi

Indonesia
- Airlangga University
- Gadjah Mada University

Ireland
- University of Limerick

Italy
- University of Bologna

Japan
- University of the Ryukyus

Korea
- Chung-Ang University
- Sogang University

Latin America
- University of Antioquia
- Universidad Nacional Autónoma de México
- University of São Paulo

Malaysia
- University of Malaya

Mexico
- Universidad Nacional Autónoma de México
- Universidad de Guadalajara

Netherlands
- Tilburg University

New Zealand
- Victoria University of Wellington

North America
- University of British Columbia
- University of California at Berkeley
- University of California at Los Angeles

South Africa
- Stellenbosch University

Spain
- Universitat Autònoma de Barcelona

Sweden
- Kungliga Tekniska Högskolan

Switzerland
- École Polytechnique Fédérale de Lausanne

Taiwan
- National Chung Hsing University

Thailand
- Chiang Mai University

The Philippines
- Ateneo de Manila University

USA
- Harvard University

Vietnam
- Hanoi University
- Hue University
- VNU University of Hanoi

UK
- University of Cambridge
- University of Oxford

Universities listed above are partner universities and institutions that have concluded inter-university academic exchange agreements with Osaka University.
## Academic Programs

### Degree Programs in English

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<th>Department</th>
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<td><strong>Undergraduate Programs</strong></td>
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<tr>
<td>Human Sciences</td>
<td>International Undergraduate Degree Program</td>
<td><a href="http://g3k.human-sci.osaka-u.ac.jp/">g3k.human-sci.osaka-u.ac.jp</a></td>
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<tr>
<td>Science, Engineering, Engineering Science</td>
<td>Chemistry-Biology Combined Major Program</td>
<td><a href="http://chem.bio-enr.osaka-u.ac.jp/">chem.bio-enr.osaka-u.ac.jp</a></td>
</tr>
<tr>
<td>International Physics Centre</td>
<td></td>
<td><a href="http://www.ircp.osaka-u.ac.jp/">www.ircp.osaka-u.ac.jp</a></td>
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<tr>
<td><strong>Graduate Programs</strong></td>
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<tr>
<td>Chemical Science Course</td>
<td><a href="http://www.chem.eng.osaka-u.ac.jp/RSC/index_e.html">www.chem.eng.osaka-u.ac.jp/RSC/index_e.html</a></td>
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<tr>
<td>Quantum Engineering Design Course</td>
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</tr>
<tr>
<td>International Program of Maritime and Urban Engineering</td>
<td><a href="http://maritime.urban.muse.eng.osaka-u.ac.jp/">maritime.urban.muse.eng.osaka-u.ac.jp</a></td>
<td></td>
</tr>
<tr>
<td>Information Science and Technology</td>
<td>Information Technology Special Course in English</td>
<td><a href="http://www.it.osaka-u.ac.jp/english/admission/guidelines.html">www.it.osaka-u.ac.jp/english/admission/guidelines.html</a></td>
</tr>
</tbody>
</table>

### Double Degree Programs

The double degree program allows graduate students to register as a regular student at Osaka University and an overseas university simultaneously and obtain degrees from both institutions.

### Non-Degree Programs

**Programs for Short-Term Exchange Students**

There is a variety of short-term programs (one year or less) for students from universities abroad that have student exchange contracts with Osaka University.

**Support for International Students and Researchers**

Center for International Education and Exchange

Provide Japanese language programs, exchange activity, counseling, advising, etc.

[www.ciee.osaka-u.ac.jp](http://www.ciee.osaka-u.ac.jp/)

Support Office for International Students and Researchers

Provide information about VISA procedures and accommodation.

[www.slo.osaka-u.ac.jp/supportoffice](http://www.slo.osaka-u.ac.jp/supportoffice)

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## Global Academic Network

- **RENKEI**
  - Japan-U.S. Research and Education Network for Knowledge Initiative Initiative (12 universities)
- **APRU**
  - Association of Pacific Rim Universities (45 universities)
- **North American Center for Academic Initiatives**
  - The Association of East Asian Research Universities (15 universities)
- **HoKKSaGON**
  - German-Japanese University Network (6 universities)
- **ASEAN Center for Academic Initiatives**
  - Enhance student exchange between LU and its partner universities in western Japan

###Supporting Institutions

- Osaka University Overseas Centers
- Overseas Departmental Centers
- Home Institutions of International Researchers in International Joint Labs

###International Joint Labs


International Joint Labs bring researchers from overseas together for collaborative research at Osaka University.