

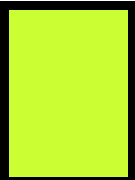
# Monthly Report of Gifu University

March 2017 Vol. 715



Cooperation Agreement between Gifu University and Tokai Regional Agricultural Administration Office (Nagoya), Ministry of Agriculture, Forestry and Fisheries is signed

Result Briefing for Business Training of Industry, Academia, Banking Institution and Government Collaboration Region-Based Human Resource Development Project is held	0 1
A Forum, “University role toward Gifu where women can shine” is held	0 3
Gifu University Symposium, “Human Resource Development for Management Level Employees at School and Roles of Professional School for Teacher Education” is held	0 5
Cooperation Agreement between Gifu University and Tokai Regional Agricultural administration Office (Nagoya), Ministry of Agriculture, Forestry and Fisheries is signed	0 7
Professor Emeritus Hirotoishi Iwata of Gifu University is given a Letter of Appreciation from the Governor of Gifu Prefecture	0 9
The 65th Graduation and Completion Work Exhibition of Art Education Course of Faculty of Education / The 10th Student Work Exhibition is held	1 1
“Viet Nam Gifu International Student Network Meeting” is held at Gifu University Satellite Campus	1 3
The 4th Open Lecture by the United Graduate School of Veterinary Sciences, Gifu University, “Current State and Measures for Drug-Resistant Strain of Bacteria Posing a Serious Threat to Medical Treatment and Veterinary Medicine” is held	1 5
Professor Kazuma Nakazawa (Faculty of Education and Graduate School of Engineering) is awarded with the 22nd Outstanding Paper Award of the Physical Society of Japan	1 7
The 10th Press Conference by the President is held	1 8
Delegation of United Graduate School of Veterinary Sciences attends the 8th Joint Symposium	1 9
Reporting Session for 2015 Gifu University Student Overseas Training by Gifu University Fund, “Valor and V Drug Overseas Training Scholarship” is held	2 1
Reporting session of “Seiryu-no-kuni (Pure Water Country) Gifu Women Support Project 2016 is held	2 3



Result Briefing for Business Training of Industry, Academia, Banking Institution and Government Collaboration Region-Based Human Resource Development Project is held

On February 2, 2017, as part of the Business Training of Industry, Academia, Banking Institution and Government Collaboration Region-Based Human Resource Development Project, all 3rd year students of the Department of Mechanical Engineering, the Faculty of Engineering (a total of 160 students) of Gifu University made presentations at a result briefing held at Grand Vert GIZAN, Gifu City.

Through partnership among business, academia, banking institutions, Gifu Prefecture has been promoting the Business Training of Industry, Academia, Banking Institution and Government Collaboration Region-Based Human Resource Development Project. Its objectives are to support endeavor for securing, fostering and settling of highly-skilled professionals at enterprises within Gifu Prefecture, and to revitalize regional economies. The students of the Faculty of Engineering who are taking the subject of “mechanical engineering exercise” took part in the six-month long lectures and practical training in groups offered by local companies within Gifu Prefecture. On February 2, the students made presentations about their experiences at these companies.

First, Professor Wang Zhigang, Vice President for Industry-Government-Academia Collaboration of Gifu University and Mr. Tomohiko Okamoto, President of NABEYA, CO., LTD. gave an opening speech respectively. Then, a total of 25 student groups made their presentations in turn (slide-show presentations). Later, a poster session was held at a different venue at Grand Vert GIZAN. The students gave an explanation about their activities to the visitors in front of the posters of their own making.

After the session, the students said, “We felt a huge advantage of local companies within Gifu Prefecture first-hand,” “I got the feeling of working as a full member of society after taking part in a problem-solving training.”



Scene of presentations by the students



Poster session



President Hisataka Moriwaki listening to the student's explanation

A Forum, “University role toward Gifu where women can shine” is held

On February 2, 2017, a forum, “University role toward Gifu where women can shine” was held at Gifu University auditorium. The forum was part of Gifu University’s “Initiative for Implementation of Diversity Research Environment (Collaborative Type),” sponsored by Japan’s Ministry of Education, Culture, Sports, Science and Technology (MEXT). The initiative is jointly promoted by Gifu University, Gifu Pharmaceutical University, Gifu Women’s University and API Co., Ltd.

The four institutions closely work together and hold various events. A “forum” is a venue for each participating institution with different business operations to discuss the same themes from their respective points of view.

“University role toward Gifu where women can shine” was a final forum for 2016 hosted by Gifu University and participants exchanged and shared opinions about how to “recreate Gifu” from the standpoints of “national university.”

Professor Etsuko Sugawara, Vice President, Executive Director for Revitalization, Regional Development and Gender Equality of Iwate University was invited to deliver a keynote speech at the forum. The title was, “Women’s leadership for regional revitalization and university roles – efforts and commitment of Iwate University.” Professor Sugawara spoke about Iwate University’s woman worker employment program, current state of daycare center establishment plan within the university premises, and the next generation human resource development system for university employees under which women workers taking maternal leaves before and after child birth find it easy to take advantage of a replacement system. In addition, she talked about various activities of Iwate University Organization of Revitalization for Sanriku-region, which is implementing a number of region-based projects.

After her speech, one of the twelve research themes adopted by a “Collaborative-type Joint Research Subsidy Program,” (also part of Gifu University’s initiative), “Research on application of propolis extract to animal bandage” was introduced to the audience. Professor Koichi Masukawa, Director of the Center for Collaborative Study with Community, Gifu University made a presentation about the programs of COC\*1 and COC+\*2 and the center’s collaboration with Gifu University’s initiative.

\*1 COC (Center of Community) projects:

projects of the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

Their objectives include reinforcing university functions to be a core of local communities where people, information and technology are brought together for problem-solving. To achieve these objectives, universities are expected to promote regional-based education, research and social contribution.

\*2 COC+ (Center of Community Program for Local Revitalization) projects:  
projects of the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

Their objectives include assembling people together to regions for revitalization by:

- offering attractive job opportunities to students in collaboration with universities, local governments and businesses and,
- supporting university's curriculum reform efforts necessary to cultivate personnel sought by regions.



Professor Sugawara of Iwate University making a speech

Gifu University Symposium, “Human Resource Development for Management Level Employees at School and Roles of Professional School for Teacher Education” is held

On February 7, 2017, Gifu University Symposium entitled, “Human Resource Development for Management Level Employees at School and Roles of Professional School for Teacher Education” was held at Nagaragawa Convention Center. This symposium was part of a “Training Program Development Project for Improvement of Teachers’ Quality in 2016” carried out by the National Center for Teachers’ Development.

On February 7, about 100 people attended the symposium. They were from professional schools for teacher education, members of board of education inside and outside of Gifu Prefecture, school staff, students and guardians.

In the symposium, first, President Hisataka Moriwaki of Gifu University gave an opening speech. In the first session of project reporting, the teaching staff of the Teacher Education Course, Professional Degree Program, the Graduate School of Education, Gifu University made presentations about “Building of System and Content for Human Resource Development for Management Level Employees at School through Collaboration of Professional Schools for Teacher Education and Boards of Education.”

Next, in the second session, Mr. Kazuhiko Mizukawa, Managing Director for Compulsory Education, Gifu Prefecture Board of Education, delivered a keynote speech under the title, “Human Resource Development for Management Level Employees at Schools within Gifu Prefecture.”

In the third session, Professor Kiyooki Shinohara of the Professional Degree Program, the Graduate School of Education, Gifu University (he is also a member of the Coordination Committee between Specialized Committee and Board of Education, Japan Association of Professional Schools for Teacher Education), Professor Yasuki Ono of Hyogo University of Teacher Education and Mr. Hiroki Suematsu, lecturer of Tokyo Gakugei University gave a report on “Human Resource Development for Management Level Employees in the World” respectively.

In the final fourth session, Professor Shinohara moderated a panel discussion held under the theme, “Human Resource Development for Management Level Employees at School and Roles of Professional School for Teacher Education.” Four panelists actively discussed the theme and exchanged opinions facilitated by Professor Shinohara. The four panelists were:

- Mr. Kotaro Oe, Vice Director, Educational Personnel Division, Elementary and Secondary Bureau, the Ministry of Education, Culture, Sports, Science and Technology (MEXT)
- Mr. Shinya Takaoka, Director for National Center for Teachers’ Development
- Mr. Tetsuya Kajisa, Auditor of National Institute of Technology
- Mr. Kazuhiko Mizukawa, Managing Director for Compulsory Education, Gifu

## Prefecture Board of Education

Gifu University Symposium on February 7 offered people an excellent opportunity to advance initiatives for human resource development for management level employees at schools.



Audience listening to the reporting



Panel discussion



Professor Shinohara moderating a panel discussion

Cooperation Agreement between Gifu University and Tokai Regional Agricultural Administration Office (Nagoya), Ministry of Agriculture, Forestry and Fisheries is signed

On February 7, 2017, Gifu University and the Tokai Regional Agricultural Administration Office (Nagoya), the Ministry of Agriculture, Forestry and Fisheries, signed a Cooperation Agreement for promotion of human resource development and rural development initiatives.

The two institutions have already closely cooperated in multiple fields but the signing of this new cooperation agreement is expected to forge a stronger, comprehensive partnership between the two long into the future.

In the signing ceremony, Mr. Yoshitaka Tanabe, Director-General of the Tokai Regional Agricultural Administration Office said, “We would like to venture into much more diverse fields of research and work by using this cooperation agreement with Gifu University as a jump-start on a number of new programs.” President Hisataka Moriwaki said in reply to Mr. Tanabe, “I hope we could build an extensive framework of collaboration based on the existing joint activities and projects.”

After the signing ceremony for the cooperation agreement, a separate alliance agreement was signed by the officials of the Faculty of Applied Biological Sciences of Gifu University, and the Rural Development Section of the Tokai Regional Agricultural Administration Office.

It is hoped that Gifu University and the Tokai Regional Agricultural Administration Office will establish a robust relationship and continue to develop it in a sustainable and expansive way in the days ahead.





After the signing, President Moriwaki (right) shaking hands with Mr. Tanabe



After the signing, Professor Hirokazu Fukui, Dean of the Faculty of Applied Biological Sciences (right) shaking hands with Mr. Niwa, Director of the Rural Development Section, the Tokai Regional Agricultural Administration Office

Professor Emeritus Hirotoshi Iwata of Gifu University is given a Letter of Appreciation from the Governor of Gifu Prefecture

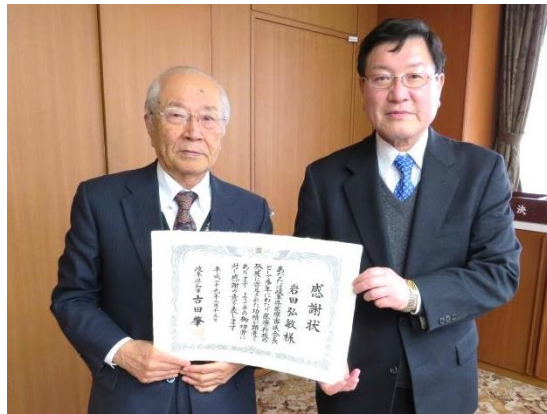
On February 13, 2017, Professor Emeritus Hirotoshi Iwata of Gifu University (specialty: hygienics, the School of Medicine), was given a Letter of Appreciation from the Governor of Gifu Prefecture.

Dr. Iwata made huge contributions to advance the health service as a chairman of Gifu Medical Care Deliberation Council for 24 years. The Letter of Appreciation was given to him in honor of his outstanding achievements and constant devotion to medicine.

On February 14, Dr. Iwata paid a courtesy call on President Hisataka Moriwaki of Gifu University. In the Office of President, Dr. Iwata and President Moriwaki talked about the days when Dr. Iwata was teaching hygienics at the School of Medicine of Gifu University. Around that time, President Moriwaki was also working hard in teaching, researching and clinical practicing at the School of Medicine. The two enjoyed lively conversations for some time while recalling the days gone by.



Dr. Iwata meeting President Moriwaki



Dr. Iwata (left) and President Moriwaki



Letter of Appreciation

The 65th Graduation and Completion Work Exhibition of Art Education Course of Faculty of Education / The 10th Student Work Exhibition is held.

One of the goals of “Gifu University Future Vision toward 2025” is to strengthen functions of Training Course for School Teachers (develop a Teacher Education Course at Professional Degree Program). Under the goal, Gifu University has produced many graduates who become teachers at schools inside and outside of Gifu Prefecture every year.

From February 14 to 19, 2017, “The 65th Graduation and Completion Work Exhibition of Art Education Course of Faculty of Education / The 10th Student Work Exhibition” was held at The Museum of Fine Arts, Gifu.

Art works in various categories such as painting, sculpture, design and craft were on display at the museum. They were created by 14 students to be graduated from Gifu University and the Graduate School in March, as well as 34 undergraduate students. All of the works are culmination of what they have studied at the university for all these years.

As a special event for this year, Mr. Katsuhiko Hibino, Director of The Museum of Fine Arts, Gifu and professor of Tokyo University of the Arts was invited to the museum as a special guest and commented on the students’ artworks.

During the exhibition, many people came to the museum to see the artworks. The event provided a good opportunity for Gifu University to introduce the activities of Faculty of Education to the public.

We would like to express our deep appreciation to everyone who kindly came to the museum for the exhibition.



Mr. Hibino commenting on the students'



Students serving as guides

“Viet Nam Gifu International Student Network Meeting” is held at Gifu University Satellite Campus

On February 15, 2017, “Viet Nam Gifu International Student Network Meeting” was held co-sponsored by Gifu and Viet Nam Friendship Association (Chair: President Hisataka Moriwaki of Gifu University) and Gifu Prefecture at Gifu University Satellite Campus.

The main purpose of the network meeting was to offer Vietnamese students and local companies operating in Viet Nam, an opportunity to meet with each other for employment possibility. A total of 18 Vietnamese students and alumni living in Gifu Prefecture (of them, 4 were undergraduate, 5 were graduate students, and 3 were alumni of Gifu University), and 29 companies and organizations located within Gifu Prefecture took part in the meeting.

Firstly, Mr. Masanori Hara, Director of the International Affairs Division, Tourism and International Affairs Bureau, Department of Commerce, Labor and Industry, Gifu Prefectural Government, and Dr. Fumiaki Suzuki, Executive Director for International Affairs and Public Relations, Vice President of Gifu University gave opening speeches. Later, the participants were divided in groups, and the Vietnamese students introduced their universities and research activities one by one. Next, the company representatives explained their business operations and activities to them. Through informal and friendly conversations, everyone deepened their understanding about each other. Some company representatives brought their products to the meeting, and the students intently listened to their explanations while observing and touching those items up close.

Their exchange continued into the lunchtime, and in a relaxed atmosphere, the company representatives and the international students engaged in many lively conversations for some time.

After the meeting, some of the students spoke about their impressions. They said, “The meeting was quite meaningful and productive for me because I had a chance to talk to many company officials.” “The meeting was really useful for my information gathering about local companies because I will start my job-seeking soon.”



Students introducing themselves



Group photo

The 4th Open Lecture by the United Graduate School of Veterinary Sciences, Gifu University, “Current State and Measures for Drug-Resistant Strain of Bacteria Posing a Serious Threat to Medical Treatment and Veterinary Medicine” is held

On February 16, 2017, the United Graduate School of Veterinary Sciences, Gifu University held the 4th Open Lecture under the title of “Current State and Measures for Drug-Resistant Strain of Bacteria Posing a Serious Threat to Medical Treatment and Veterinary Medicine” at Gifu University Satellite Campus near JR Gifu Station. About 40 people from Gifu Prefecture Medical Association, Gifu Veterinary Medical Association and Gifu Prefectural Government attended the lecture.

The United Graduate School of Veterinary Sciences holds an open lecture once a year in order to supply Gifu citizens, medical staff and veterinarians in the region with information about the latest topics in veterinary sciences for active opinion exchange between specialists and citizens.

On February 16, three guest speakers made speeches. The names and the titles of the speeches are as follows:

- Dr. Haruo Watanabe, former Director-General of National Institute of Infectious Diseases; “The Current State and Measures for Drug-Resistant Strain of Bacteria”
- Mr. Yoshimasa Yamamoto, Director of Osaka Prefectural Institute of Public Health; “Japan’s Challenge for Drug-Resistant Strain of Bacteria after Survey in Asia”
- Professor Tetsuo Asai, the United Graduate School of Veterinary Sciences, Gifu University; “Bring Drug-Resistant Strain of Bacteria Under Control in Veterinary Medicine”

After the speeches, a general discussion took place. Many attendees asked about problems, difficulties and measures about use of antibacterial agent for medical treatment and veterinary medicine. Lively conversations among citizens, medical staff and veterinarians continued for some time.





Scene of a general discussion

Professor Kazuma Nakazawa (Faculty of Education and Graduate School of Engineering) is awarded with the 22nd Outstanding Paper Award of the Physical Society of Japan

The Physical Society of Japan (JSP) has established the Outstanding Paper Award of the Physical Society of Japan in order to recognize and praise the achievement of researchers who have made important contributions towards the progress of physics. A maximum of five awards are given in a year, while there may be a year in which there are no recipients of the award. (source: <http://www.jps.or.jp/>).

Professor Nakazawa published the papers titled, “The first evidence of a deeply bound state of  $\Xi - 14\text{N}$  system” in 2015, describing how he and his team succeeded in understanding the nature of the subatomic “ $\xi$ ” cascade particle within the atomic nucleus (“Kiso event”) for the first time ever.

JSP awarded Professor Nakazawa with the 22nd Outstanding Paper Award of the Physical Society of Japan to honor his breakthrough discovery and great achievements (as of February 18, 2017).

The papers are carried at Gifu University journal, “Gidai no Ibuki No.31.”



The 10th Press Conference by the President is held

On February 20, 2017, Gifu University held the 10th Press Conference by the President.

First, President Hisataka Moriwaki gave a summary of a “Gifu University Smart Die Development Hub Project” in association with the “Gifu University Future Vision Toward 2025.”

Next, Professor Wang Zhigang, Vice President for Industry-Government-Academia Collaboration, spoke about the details of the project.

In the days of constantly decreasing working-age population, a highly-efficient production system is in high demand in order to sustain regional economies. The Tokai region\* is building one of the leading automobile manufacturing business complexes in the world, and in Gifu Prefecture, various types of supporting industries including die engineering and technology have been thriving for years. Gifu University has created one of the best research environment for die engineering in Japan and it is a strong driving force in this field.

In the “Gifu University Smart Die Development Hub Project,” Gifu University is pursuing application and commercialization of a smart production system by using “a smart die” first in the world, and aims to contribute to enhance competitiveness of manufacturing industry in the region to a significant degree.



President Moriwaki giving a speech



Professor Wang speaking to the audience

## Delegation of United Graduate School of Veterinary Sciences attends the 8th Joint Symposium

On February 20, 2017, “The 8th Joint Symposium of Veterinary Research among Universities of Veterinary Medicine in East Asia” was held at National Chung Hsing University, Taiwan.

The following are the universities attended:

- United Graduate School of Veterinary Sciences, Gifu University (consisting of Gifu University, Obihiro University of Agriculture and Veterinary Medicine, Tokyo University of Agriculture and Technology, Equine Research Institute (JRA) and National Institute of Infectious Diseases)
- United Graduate School of Veterinary Science, Yamaguchi University (consisting of Tottori University, Yamaguchi University and Kagoshima University)
- The University of Tokyo, and
- Azabu University

In the symposium, research presentations in veterinary sciences were made during a Keynote Lecture, and students reported research activities in a Session. All participants actively engaged in information sharing and opinion exchange. Eight students of the United Graduate School of Veterinary Sciences of Gifu University did presentations about their studies.

The 8th symposium was a great success offering a venue for training to young researchers and research exchange in veterinary sciences with a focus on the Asian region.



Group photo (graduate school deans of participating universities)



Scene of a Session

Reporting Session for 2015 Gifu University Student Overseas Training by Gifu University Fund, “Valor and V Drug Overseas Training Scholarship” is held

Gifu University created a new scholarship from the university fund called, “Valor and V Drug Overseas Training Scholarship” in 2015 through donation from Valor Holdings and Valor Drug Store (V Drug). Its purpose is to help graduate school students take the course for credit and engage in research at universities and research institutions overseas.

Ms. Haruna Nagase and Mr. Kazumasa Kihira, both are the 2nd year students at master’s program, the Graduate School of Engineering, made researches overseas on the scholarship. On February 21, 2017, the two reported their experiences at Valor Holdings building.

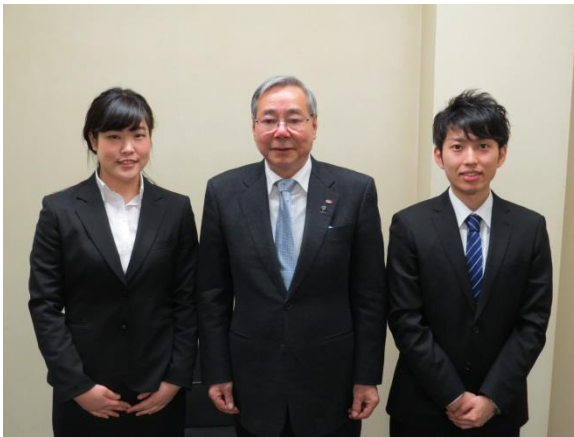
Ms. Nagase researched RNA molecules at the National Institutes of Health (NIH) and the National Heart, Lung and Blood Institute (NHLBI), United States for about 12 months. In her reporting, she said, “I spent the most meaningful and fulfilling 12 months in my life. From this spring, I continue my research at the United Graduate School of Drug Discovery and Medical Information Sciences, Gifu University to further explore my research theme.

Mr. Kihira studied at Imperial College London, the United Kingdom, and Zentrum für Sonnenenergie und Wasserstoff-Forschung (ZSW), Germany for about two months and conducted a study of “Nano-graphene.\*” In the reporting, he commented, “I not only advanced my studies, but also improved my communication skills while I was staying in two countries.”

Gifu University continues to provide assistance to students who are willing to take on a challenge through Gifu University Fund.



Reporting session



(from left) Ms. Nagase

Mr. Masami Tashiro, Chairman of the Board, President and Representative Director in VALOR CO., LTD.

Mr. Kihira

\*Graphene: a combination of "graphite" and the suffix -ene to describe single-layer carbon foils

Reporting session of “Seiryu-no-kuni (Pure Water Country) Gifu Women Support Project 2016 is held

On February 23, 2017, a reporting session was held for the selected 12 research projects by "Seiryu-no-kuni (Pure Water Country) Gifu Women Support Project\*" of an Initiative for the Implementation of the Diversity Research Environment (Collaboration Type), sponsored by the Ministry of Education, Culture, Sports, Science and Technology (MEXT). This project has been jointly implemented by the four institutions from 2015. They are: Gifu University, Gifu Pharmaceutical University, Gifu Women's University and API CO., Ltd.

In the Collaboration Type, a woman researcher who belongs to one of these four institutions is funded for her work when she carries out a joint research with other woman researcher belonging to a different institution (also among the four institutions). (A male researcher can also take part in a joint research and is funded for his work as long as at least one woman researcher becomes a member of a work.)

In the session, speakers were divided into three groups and discussed 5 themes in pharmaceutical sciences, 3 themes in humanities and social science and 4 themes in food science.

At the end of the session, President Hisataka Moriwaki made the following remarks; “I was impressed with a lot of significant and substantial achievements in natural science as well as humanities and social science by researchers. I look forward to your continued efforts for the benefit of Gifu and citizens of Gifu.

\*"Seiryu-no-kuni (Pure Water Country) Gifu Women Support Project"

"Seiryu-no-kuni (Pure Water Country) Gifu Women Support Project" is part of the MEXT's "Initiative for Implementation of Diversity Research Environment (Collaboration Type)." The project aims to reinforce research activities of female researchers through unique partnership among Gifu University, Gifu Pharmaceutical University, Gifu Women's University and API CO., Ltd., and their joint research programs. It is also designed to revitalize local communities by enhancing mobility of female researchers within regions and securing workplaces for them. The project is expected to increase percentage of female researchers in workplace and their assignment for higher positions at universities (positions equal to or higher than



lecturers or associate professors) by executing "positive actions" such as collaboration type joint research projects, open recruitment of female teaching staff and leadership education programs.



Scene of the session