



UNIVERSITA
DEGLI STUDI
DI TORINO



Office for North-East Asia
Japan - Taiwan - South Korea
30th anniversary
1991-2021

INRS
UNIVERSITÉ DE RECHERCHE



International Research @ Okayama University

Initiating and implementing Large scale **prestigious research** consortiums:
Towards an **improved global reputation**

B. Chenevier – URA division – Okayama University
April-2021

Recent achievements

*In 2021 Oka-Dai **actively and concretely** keeps on projecting its
New, Modern, Young, Dynamic and
Global image in the field of Excellence*



International Research @ Okayama University

Motivations

- a – Improve the International profile – Professional research is a powerful tool
- b – Active Connections with prestigious Institutions around the World
- c – Oka-Dai as a major partner in International Consortiums

Strategy

- a – Implementing a holistic approach of Research

Holistic = integrated –

Holistic research: research is combined with Education

In modern Universities, Research and Education are combined in a flexible way (HUMBOLDT)

A number of prestigious Universities rely on a Holistic approach

Ex: Johns HOPKINS in the USA – The most prestigious medical University in the US

Johns HOPKINS is taking care of the Covid Statistics (<https://gisanddata.maps.arcgis.com/apps/opsdashboard>)

- b – Flexible, Oka-Dai strategy can be used in most of the Japanese Nat. Univ.
- c – Oka-Dai granted MEXT as a top Global University:
 - => I performed International evaluation of that strategy and achievements

=> strong encouragement to further implant

International Research @ Okayama University

URA Division



Implementing a holistic, modern approach of Research.....

Towards an improved global reputation



SDGs: Oka-Dai is a leader in Japan....

Strengthened connections with Institutions ranked in the 200 best of ARWU:

FRANCE : Paris (Sorbonne Université ; Université de Paris), Grenoble, Strasbourg..., CNRS, CEA

ITALY :U Turin, U-Milan ,U -Trento...

IRELAND Cork : UCC/Tyndall Institute

CANADA: INRS Varennes, UBC Vancouver, U-Saskatchewan

USA: Temple-U

International Research @ Okayama University

Achievements – Research. === I

Large scale European Projects – MSCA-RISE

CMB-INFLATE-2021

Very early stages of the Primordial Universe

Paris Université → Coordinator

Pr. H. ISHINO – Leader @ Okayama University

43 months of mobility at Oka-Dai -



BE-ARCHAEO-2019

Revisiting Kofun Period by using advanced and on site scientific devices

University of Turin → Coordinator

Pr. N. MATSUMOTO – Leader @ Okayama University

200 months of mobility at Oka-Dai – 80 achieved up to Covid outbreak



BEYOND ARCHAEOLOGY
AN ADVANCED APPROACH LINKING EAST TO WEST THROUGH SCIENCE
FIELD ARCHAEOLOGY
INTERACTIVE MUSEUM EXPERIENCES

Proposals where Oka-Dai plays a major role – Submission dead-line: March-2022

RENOVATE --- BNCT - Medical – Coordinator: DGBNCT / Jena University - **GERMANY**

HEAT --- Energy - Coordinator: University of Turin - **ITALY**

Na-Wa-So --- Clean water – Environment - Coordinator: University of Turin - **ITALY**

PUPPO --- Humanities and Social Sciences - Coordinator: IEED - **FRANCE**

Super --- Energy - Coordinator: University of Turin - **ITALY**



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Achievements – Research. === II

Others – all SDGs –

Europe - MSCA-Individual Fellowship

1 – Leader: Strasbourg University (Institut du Médicament) - FRANCE

Title “Nano **S**ugar **F**ibres as innovative drug delivery **VE**ctors” = SUFIVEC

Oka-Dai leader: Pr. Imamura

Submitted Sept -2020, resubmission on Sept-2021

”Human Frontier Science” - HFS

1 – Leader: CNR in ITALY

Title “Investigations of Boron Metabolism in Osteogenesis processes”:

Oka-Dai leader: Pr. Nishina and Igawa

Submitted on March-30th-2021

2 – Leader: Lund University SWEDEN

Title “Energy and force translations during natural and artificial micromotilities”:

Oka-Dai leader: Pr. Satoshi-Hara

Submitted on March-30th-2021

International Research @ Okayama University

Achievements – Research. === III

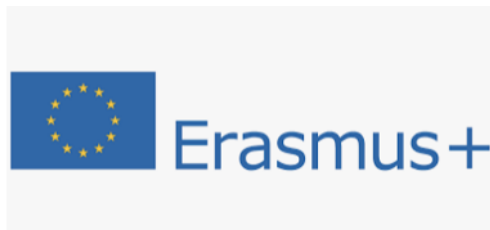
– URAs offer Oka-Dai Master students, support to promote SDGs at Universities abroad

1 - Law – Grenoble Alps University



2 - Science – Energy – Savoie-Mont-Blanc University

New Chemistry relying on
..... Super Photocatalytic Materials



LEGAL STUDIES project at Grenoble Alps University

Interplay between Cultural Differences and Human/Children rights
- Global Laws, Rights and Regulations in a contentious world -

Kanta MAEDA



**Optical properties
of Ag fractal tree-like structures**
--- Super-Photocatalytic applications ---

Kohei NOGAMI



Pr. J-F Roux/ F. Garet



Pr. N. Takeyasu

Supported by

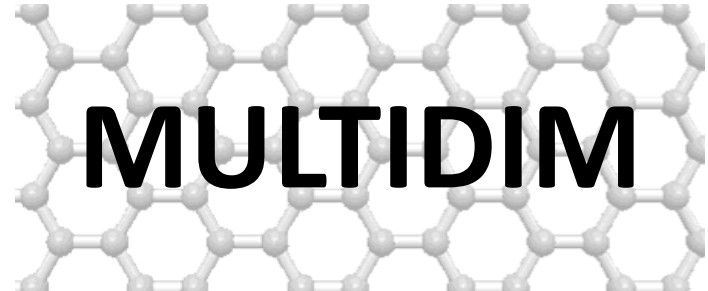


International Research @ Okayama University

Achievements – Research. === IV

CNRS and Oka-Dai (2020): Advanced Drug Delivery Systems (DDS)

Two-dimensional materials are particularly promising DDS because of several preponderant advantages such as great versatility of chemical composition as well as several possibilities of organic fonctionnalization. These characteristics are major assets to modulate their biocompatibility, pharmacokinetics and tissue specificity.



IMS- Strasbourg and Oka-Dai

Achievements:

- ** Kick-Off Meeting –
On-Line

- ** Joint papers – 3

- ** European project: SUFIVEC

Submission in Sept-2020 => 12.7/15.0 Graded
Re-submission in Sept-2021

- ** Joint research: 4 ongoing projects.

- ** Mobility program – Strasbourg/Oka-Dai:
Pr. Muller , Wagner



Nasu sensei (VP of Research)



Lancement de l'Institut Thématique Interdisciplinaire Institut du Médicament de Strasbourg

Mercredi 27 Janvier 2021

Programme

- 17h55: Connection à la plateforme via le lien Zoom suivant :
<https://us02web.zoom.us/j/89001405241?pwd=NkRmY1AvbFNjTVNnQ0hMXVlVzR2UT09>
- 18h00: Quelques mots de bienvenue de la Direction de l'ITI IMS
- 18h05: Intervention de la Présidence de l'Université de Strasbourg
- 18h15: Intervention des Présidents des Tutelles de recherche CNRS et INSERM
- 18h25: Présentation de l'Institut du Médicament de Strasbourg
- 18h40: Présentation des partenariats internationaux (Okayama, Berne, Québec)

International Research @ Okayama University

Achievements – Research. === V

On Line events – News release

** CNRS – Multidim

News in the CNRS-Bulletin – Feb - 2021
(an outcome of SAKU program)

** CNRS – CMB-INFLATE

News in the CNRS-Bulletin – April - 2021

** EURAXESS – CMB-INFLATE

On-Line event – 2h -80 participants – June-8th (火曜) -2021

Japanese participants: ISHINO sensei et al.

** ASCENT Tyndall Institute (an outcome of SAKU program)

On-Line event on March-15th – 2021

Oka-Dai participants: TERANISHI sensei

** PUPO (Public Policies) — On-Line Plenary meetings

Oka-Dai participants: KIM, CHENEVIER sensei



Office for North-East Asia
Japan - Taiwan - South Korea



30th anniversary
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L'INSTITUT FRANÇAIS DE RECHERCHE sur le Japon à la Maison Franco-Japonaise (IFRJ-MFJ) est une UMIFRE, en collaboration avec le Ministère de l'Europe et des Affaires Étrangères, qui se propose d'étudier les relations sociales majeures au Japon de ce

avec l'association Sciencescope incophone de la Recherche (voir exploré trois thèmes principaux au Japon : l'épidémie de covid-19, le travail.

Depuis plusieurs mois à étudier la pandémie sur l'archipel japonais telles que "The COVID-19 health Issues: An Interdisciplinary Issue", ou encore « S'écarter de la vie » discuter les effets de la pandémie de covid-19 sur les mobilités et les transports en France et au Japon » (janvier 2021).

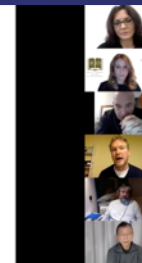
L'environnement a également été étudié ces trois derniers mois, avec l'organisation



EURAXESS is a European Commission's Directorate-General for Research and Innovation initiative



Values – how are a society's priorities reflected in public policy?
Demographics – population and ageing, migration
Policy implementation – empirical analysis of policy adoption
Evaluation – how are public policies appraised?



International Research @ Okayama University

Achievements – Research related programs === I

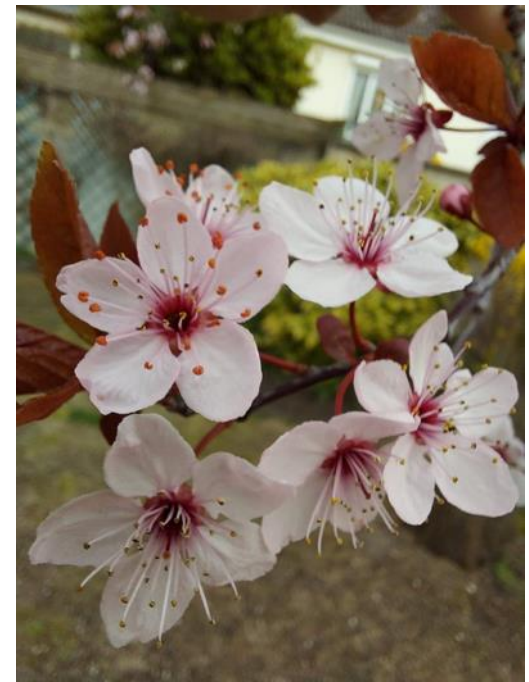
a – SAKU = 咲く = to bloom – Promoting abroad the talents of Oka-Dai young researchers

SAKU: Supporting Advanced activities of Key young researchers

From 2015: **25 Laureates**

Numerous visits and presentations of Okayama University in top ranked Institutions

Outcomes in joint research project, international co-authored papers
foreign students at Oka-Dai



b – “ERASMUS +” → International Mobility Credits Program (IMC)

An European Commission program

IN-Bound and OUT-Bound mobilities - Excellence

Oka-Dai further exports its **Modern**, **Young** and **Dynamic** reputation in the field of Excellence

Sorbonne University – 2019-2020

7 grants

Savoie Mont-Blanc University – 2021-2023

7 grants

More to come with UNITO, ENSIACET (Toulouse), UNISTRA (Strasbourg)



International Research @ Okayama University

Achievements – Research related programs === II

c – Invitation Programs of Master Students from prestigious Academic Institutions around the World:

** Research Internship program:

Professionalism

Students selection harder than standard JSPS selection

150 European and N-American students at Okayama University from 2015

Nearly 50/year (before Covid)

(Contact: Bernard-chenevier@cc.okayama-u.ac.jp)

** I-Ma-C program – Recommended by Sorbonne University



I-Ma-C is a Science Master program: Physics, Biology, Chemistry and Interdisciplinary

Japanese and International professors teach in I-Ma-C

Japanese and International students together

I-Ma-C is **specifically flexible**

I-Ma-C : lectures, tutorials, office hours

I-Ma-C : can be combined with Internship program

I-Ma-C : @ https://www.gnst.okayama-u.ac.jp/en/international/imac_okayama/

@ <https://sciences.sorbonne-universite.fr/faculte/ufr-instituts-observatoires-ecoles/ufr-de-chimie>

International Research @ Okayama University

Conclusions

- a – Professional research is a powerful tool
- b – Professionalism in Research management is a prerequisite – Significant > 20 years as a researcher
- c – Oka-Dai as a major partner in a range of International Consortia where
European partners are leaders and main funding resources
- d – Oka-Dai as a **flexible** and efficient Global partner engaged in SDGs



** あなたに幸せが訪れますように **