**Curriculum-Vitae**

**Name (Title):** Issei OTSUKA (PhD, HDR)

**Scientific Degrees:**

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| 03/10/2019 | Habilitation à Diriger des Recherches (HDR), Universié Grenoble Alpes, France. |
| 04/2006-09/2008 | Ph.D., Division of Biotechnology and Macromolecular Chemistry, Graduate School of Engineering, Hokkaido University, Japan. |
| 04/2004-03/2006 | M.S., Division of Molecular Chemistry, Graduate School of Engineering, Hokkaido University, Japan. |

**Research career:**

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| 10/2010- | CNRS Permanent Researcher / CERMAV-CNRS, Grenoble, France. |
| 03/2018-08/2018 | Visiting Professor / McGill University, Montreal, Canada. Prof. Christopher J. Barrett research group. |
| 03/2017-02/2018 | Visiting Scientist / Université de Montréal, Montreal, Canada. Prof. Françoise M. Winnik research group. |
| 03/2011-06/2011 | Visiting Scientist / University of Texas at Austin, USA. Prof. C. Grant Willson research group. |
| 10/2008-09/2010 | Postdoctoral Researcher / CERMAV-CNRS, Grenoble, France. Dr. Redouane Borsali research group. |
| 01/2008-03/2008 | Intern / CERMAV-CNRS, Grenoble, France. Dr. Anne Imberty research group. |
| 11/2006-12/2006 | Intern / Laboratoire de Chime des Polymères Organiques (LCPO-CNRS), Bordeaux, France. Dr. Alain Deffieux research group. |

**Fellowship and awards (representative):**

- Japan Society for the Promotion of Science (JSPS) PhD fellowship (DC2); JSPS (04/2007-09/2008)
- JSPS Postdoctoral fellowship (PD); JSPS (10/2008-09/2010)
- Scientific Excellence Premium; CNRS (2013 and 2020)
- International Cooperation and Mobilities Fellowship; Rhône-Alpes Region (03/2017-12/2017)
- International Strategic Partnerships; IDEX Univ. Grenoble Alpes (2019-2021)
- France-Canada New Scientific Collaboration Program; France Canada Research Fund (2019-2021)
- France-Finland Maupertuis Fellowship; l'Institut français de Finlande (2020)
- France-Russia Mechikov Fellowship; Ambassade de France à Moscou (2020)
- Cermav-Science Master/PhD Fellowship; CERMAV-CNRS (2020)

**Scientific productions:**

55 Peer-reviewed papers (h-index: 24, sum of the times cited: 1,479), 1 patent, 1 book chapter (the citation data was obtained from Web of Science on 01/07/2021).

**Research grants awarded as the coordinator:**

13 Grants from France-Canada Research Fund, the French Ministry of Higher Education, ANR Institut Carnot, Auvergne-Rhône-Alpes Region, Labex Arcane, JSPS, *etc.*

**Short description:**

Issei Otsuka was born and educated in Japan where he earned his PhD from Hokkaido University in 2008. Immediately after PhD, he was awarded a prestigious postdoctoral fellowship of the Japan Society for the Promotion Science and moved to France. He has been a permanent researcher of CNRS since October 2010. He obtained his Research Habilitation Degree from Grenoble Alpes University in 2019. His research activity focusses on physical chemistry of polymer materials, notably on glycoconjugate polymers derived from sustainable "green" resource, poly-/oligosaccharides, towards nano-/bio-material applications. Since he joined the CNRS, he has worked on one of the main research topics in CERMAV, *i.e.* self-assembly of carbohydrate-based block copolymers in solution (towards nanoparticles) and solid state (towards sub-10 nm scale phase-separated thin films). Since 2015, he has been working on electrospinning of polysaccharide derivatives towards various applications. During his sabbatical leave in Canada (2017-2018), he started new research topics dealing with stimuli-responsive active matter, *i.e.* multi-stimuli responsive colloids and fibers.