TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO ID CODE 4282

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at at Dipartimento di Oncologia ed Emato-Oncologia, Scientist- in - charge **Prof. Niccolò Bolli**

[AKIHIRO MAEDA]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	MAEDA
Name	AKIHIRO
Date of birth	05/07/1979

PRESENT OCCUPATION

Appointment	Structure
Fellow of Umberto Veronesi Felloiship	Clinical Institute of Humanitas

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Life Science	Tottori Univeristy	2003
Specialization			
PhD	Life Science	Tottori Univeristy	2008
Master	Life Science	Tottori Univeristy	2005
Degree of medical specialization			
Degree of European specialization			
Other			

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
2006	The Molecular Biology Society of Japan	Tokyo, Japan

FOREIGN LANGUAGES

Languages	level of knowledge
English	Fluent
Italian	Intermediate
Japanese	Mother tongue

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2019	Fondazione Umberto Veronesi, Post-doctoral Fellowships 2019
2017	H2020 MARIE SKLODOWSKA-CURIE ACTIONS

TRAINING OR RESEARCH ACTIVITY

description of activity
7 Conversations for Exceptional Leaders; granted by Promega, Novermber 2017

PROJECT ACTIVITY

Year	Project
2017 - Present	Laboratory of Cellular Immunology, Istituto Clinico Humanitas, Milano, Italy. (Main project; the novel anti-tumour drug delivery using live cell-mediated delivery system)
2015 - 2016	Laboratory of Cellular Immunology, Istituto Clinico Humanitas, Milano, Italy. (Main project; the re-polarization of macrophage from M1 to M2 by immunomodulatory drugs)
2014 - 2015	Faculty of Life Science, Kyoto Sangyo University, Kyoto, Japan. (Main project; the investigation for the mechanism of extrusion of epithelial cells on small intestine using 3D culture system.)
2011 - 2013	Division of Molecular Toxicology, Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden. (Main project; to understand if intact mitochondria released from necroptotic cell are recognized by innate system, and nanoparticle transfer from apoptotic cell to macrophages via apoptotic bodies)
2008 - 2011	Graduate School of Public Health, Department of Environmental and Occupational Health, University of Pittsburgh, Pittsburgh, PA USA. (Main project; how mitochondrial lipid, cardiolipin is oxidized during apoptosis, and how mitochondrial ROS related to autophagy)

PATENTS

Patent
No

CONGRESSES AND SEMINARS

Date	Title	Place
2018	The live-cell drug delivery using monocytes loaded chemotherapeutic nanoparticles. (Cancer Immunotherapy: Combinations - Keystone Symposia)	Montreal, Canada
2012	Macrophage uptake of cardiolipin-coated mitochondria. (The 20th Euroconference on Apoptosis (ECDO))	Rome, Italy
2009	Hemoglobin/Haptoglobin aggregates produced by peroxidase activity are taken-up and injure macrophages. (The 48th Annual Meeting and ToxExpo of Society of Toxicology)	Baltimore, MD, USA
2004	Transient expression of BMP in acute liver injury by carbon tetrachloride. (The 27th Annual Meeting of the Molecular Biology Society of Japan)	Kobe, Japan
2004	Transient expression and the function of BMP in acute liver injury by carbon tetrachloride. (The 45th Annual Meeting of the Japanese	Tokushima, Japan

	Biochemical Society)	
2003	Reverse transformation of hepatic myofibroblast-like cells by TGFb1/LAP. (The 26th Annual Meeting of the Molecular Biology Society of Japan)	Kobe, Japan

PUBLICATIONS

Books
No

Articles in reviews
Maeda A, Digifico E, Andon FT, Mantovani A, Allavena P. Poly(I:C) stimulation is superior than Imiquimod to induce the antitumoral functional profile of tumor-conditioned macrophages. *Eur J Immunol.* 2019
Locatelli SL, Careddu G, Serio S, Consonni FM, **Maeda A**, Viswanadha S, Vakkalanka S, Castagna L, Santoro A, Allavena P, Sica A, Carlo-Stella C, Targeting cancer cells and tumor microenvironment in preclinical and clinical models of Hodgkin lymphoma using the dual PI3Kδ/γ inhibitor RP6530. *Clin Cancer Res.* 2018
Balasubramanian K, **Maeda A,** Lee JS, Mohammadyani D, Dar HH, Jiang JF, St Croix CM, Watkins S, Tyurin VA, Tyurina YY, Klöditz K, Polimova A, Kapralova VI, Xiong Z, Ray P, Klein-Seetharaman J, Mallampalli RK, Bayir H, Fadeel B, Kagan VE. Dichotomous roles for externalized cardiolipin in extracellular signaling: Promotion of phagocytosis and attenuation of innate immunity. *Sci. Signaling.* 2015
Maeda A, Fadeel B. Mitochondria released by cells undergoing TNF-α-induced necroptosis act as danger signals. *Cell Death Dis.* 2014
Atkinson J, Kapralov AA, Yanamala N, Tyurina YY, Amoscato AA, Pearce L, Peterson J, Huang Z, Jiang J, Samhan-Arias AK, **Maeda A**, Feng W, Wasserloos K, Belikova NA, Tyurin VA, Wang H, Fletcher J, Wang Y, Vlasova II, Klein-Seetharaman J, Stoyanovsky DA, Bayîr H, Pitt BR, Epperly MW, Greenberger JS, Kagan VE. A mitochondria-targeted inhibitor of cytochrome c peroxidase mitigates radiation-induced death. *Nat Commun.* 2011
Jiang J, **Maeda A**, Ji J, Baty CJ, Watkins SC, Greenberger JS, Kagan VE. Are mitochondrial reactive oxygen species required for autophagy? Biochem Biophys Res Commun. 2011
Stoyanovsky DA, **Maeda A**, Atkins JL, Kagan VE. Assessments of Thiyl Radicals in Biosystems: Difficulties and New Applications. *Anal Chem.* 2011
Kapralov AA, Yanamala N, Tyurina YY, Castro L, Arias AS, Vladimirov YA, **Maeda A**, Weitz AA, Peterson J, Mylnikov D, Demicheli V, Tortora V, Klein-Seetharaman J, Radi R, Kagan VE. Topography of tyrosine residues and their involvement in peroxidation of polyunsaturated cardiolipin in cytochrome c/cardiolipin peroxidase complexes. *Biochim Biophys Acta.* 2011
Stoyanovsky DA, Kapralov A, Huang Z, **Maeda A**, Osipov A, Hsia CJ, Ma L, Kochanek PM, Bayr H, Kagan VE. Unusual peroxidase activity of polynitroxylated pegylated hemoglobin: Elimination of H(2)O(2) coupled with intramolecular oxidation of nitroxides. *Biochem Biophys Res Commun.* 2010
Kapralov A, Vlasova II, Feng W, **Maeda A**, Walson K, Tyurin VA, Huang Z, Aneja RK, Carcillo J, Bayir H, Kagan VE. Peroxidase activity of hemoglobin-haptoglobin complexes: covalent aggregation and oxidative stress in plasma and macrophages. *J Biol Chem.* 2009
Bayir H, Kapralov AA, Jiang J, Huang Z, Tyurina YY, Tyurin VA, Zhao Q, Belikova NA, Vlasova II, **Maeda A**, Zhu J, Na HM, Mastroberardino PG, Sparvero LJ, Amoscato AA, Chu CT, Greenamyre JT, Kagan VE. Peroxidase mechanism of lipid-dependent cross-linking of synuclein with cytochrome C: protection against apoptosis versus delayed oxidative stress in Parkinson disease. *J Biol Chem.* 2009
Borisenko GG, Kapralov AA, Tyurin VA, **Maeda A**, Stoyanovsky DA, Kagan VE. Molecular design of new inhibitors of peroxidase activity of cytochrome c/cardiolipin complexes: fluorescent oxadiazole-derivatized cardiolipin. *Biochemistry* 2008
Nagahama Y, Ishimaru M, Osaki M, Inoue T, **Maeda A**, Nakada C, Moriyama M, Sato K, Oshimura M, Ito H. Apoptotic pathway induced by transduction of RUNX3 in the human gastric carcinoma cell line MKN-1. *Cancer Sci.* 2008

Maeda A, Nakamura S, Isono M, Osaki M, Ito H, Sato K. Induction of efficient apoptosis and cell-cycle arrest in tumor cells by adenovirus-mediated p53 A4 mutant. *Pathology International* 2006
FT. Andón, E. Digifico, A. Maeda, M. Erreni, A. Mantovani, MJ. Alonso, P. Allavena. Targeting tumor associated macrophages: The new challenge for nanomedicine. Semin Immunol. 2017

Congress proceedings
No

OTHER INFORMATION

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Milano, 16/07/2019

SIGNATURE

Hachiro Maeda