PERSONAL INFORMATION	
Name	de Jonge, Hugo
E-mail	hugo.dejonge@unipv.it
Nationality	Dutch
Date of birth	5th April, 1972
WORK EXPERIENCE	
Dates (from - to)	*February 2016 - current* Function: Research fellow and lecturer, Cancer Research Centre Pavia, University of Pavia, Italy. *March* 2012 – January 2016 Function: Post-doctoral researcher and lecturer at the Department of Molecular Medicine, Pavia University, Italy. *April 2009 - December 2011* Function: Post-doctoral researcher at the Department of Oncology, Cambridge University, UK. *November 2005 – January 2009* Function: Post-doctoral researcher at the Department of Endocrinology & Metabolism, Faculty of Biology, Utrecht University, The Netherlands. *February 2005 - April 2005* Function: Senior Scientist at Biotech company Purely Proteins Ltd., Cambridge, UK. *October 2000 - January 2005* Function: PhD student at Department of Oncology, Cambridge University, UK. *February 2000 - October 2000* Function: Clinical Data Associate at Kendle International Inc., Utrecht, The Netherlands. *December 1998 - January 2000* Function: Junior scientist at the Integrin Group, Department of Cell Biology, Netherlands Cancer Institute, Amsterdam, The Netherlands.
Name and of current employer	University of Pavia, Cancer Research Centre Pavia
Type of sector	Academic, Faculty of Medicine, Department of Molecular Medicine
Position	Research Fellow, lecturer
Main responsibilities	Scientific research, lab management, student supervision and teaching
EDUCACTION AND TRAINING	
Dates (from - to)	September 1993 – 1998
Name and type of organisation	Utrecht University
Principal subjects	Biology
Specialisation	Molecular Biology and Biochemistry
PERSONAL SKILLS	
Mother tongue	Dutch
OTHER LANGUAGES	English, German
RESEARCH INTERESTS	Throughout my research career I have been working on cell surface receptors focussing on receptor-ligand and receptor-co-receptor interactions in the field of cancer research and regenerative medicine. I worked on integrins, tetraspanins, and glycoprotein hormone receptors, with a main interest in the receptor tyrosine kinase c-MET and its ligand Hepatocyte Growth Factor/Scatter Factor (HGF/SF). This signalling cascade is essential for embryonic development and organ and tissue regeneration in the human adult. More importantly, it is one of the more frequently affected signalling pathways in various cancers. Using mutagenesis, protein crystallography, SAXS and other biophysical, biochemical and biological techniques I have been trying to determine the mechanisms responsible for ligand-induced receptor activation. These studies have yielded potent agonistic molecules

for therapeutic application in regenerative medicine but continued research will hopefully lead to the development of equally potent anti-tumour agents.

SUPERVISION AND TEACHING

During my PhD and throughout my post-doctoral career I have been supervising undergraduate and graduate students with dedication and enjoyment.
I currently teach, at the Faculty of Medicine and Surgery at Pavia University, "Essay Writing Techniques" (pre-term) and "Personalised Medicine (3rd year). In addition, I teach in the "Molecular Pharmacology" course for Biologists (4th-year) in Pavia and take part in the "Basic and translational oncology" Italian-French Erasmus Intensive Course in Oncology organized in collaboration with European Master of Genetics - University Paris7-Paris5 at the University of Florence.

ORGANISATIONAL ROLES

I am responsible for the laboratory and research project management and train and supervise graduate and undergraduate students.
I am also a co-founder of Ardis S.r.l., a small biotech company generating antibody-based therapeutic molecules specifically aimed at cancer therapy.
Ardis won first prize in the Life Science category at the "*Start Cup Milano-Lombardia 2012"* Start-Up competition. Another prize was awarded by the Chamber of Commerce (Camera di Commercio) in 2013 in support of research and development activities.

PUBLICATIONS

Semi-synthesis of a HGF/SF kringle one (K1) domain scaffold generates a potent in vivo MET receptor agonist. Simonneau C, Leclercq B, Mougel A, Adriaenssens,E, Paquet C, Raibaut L, Ollivier N, Drobecq H, Marcoux J, Marcoux J, Cianferani S, Tulasne D, de Jonge H, Melnyk O, and Vicogne J. Chem. Sci. 2015, 6: 2110-2121.

Biochemical Characterization of the Receptor Tyrosine Kinase ROR2 Ectodomains. Vecchia L, de Jonge H, Iamele L, Parma L, Scotti C, Gherardi E. Am J Pathol. 2014, 184: S9.

Growth factors and tumour progression. Gherardi E, Iamele I, de Jonge H. Edizioni Medico-Scientifiche – Pavia. 2013: 42-47.

Functional differences of invariant and highly conserved residues in the extracellular domain of the glycoprotein hormone receptors. Angelova K, de Jonge H, Granneman JC, Puett D, Bogerd J. J Biol Chem. 2010, 285: 34813-34827.

Coupling growth-factor engineering with nanotechnology for therapeutic angiogenesis. Sinha Roy R, Soni S, Harfouche R, Vasudevan PR, Holmes O, de Jonge H, Rowe A, Paraskar A, Hentschel DM, Chirgadze D, Blundell TL, Gherardi E, Mashelkar RA, Sengupta S. Proc Natl Acad Sci U S A. 2010, 107: 13608-13613.

Studies in zebrafish reveal unusual cellular expression patterns of gonadotropin receptor messenger ribonucleic acids in the testis and unexpected functional differentiation of the gonadotropins. García-López A, de Jonge H, Nóbrega RH, de Waal PP, van Dijk W, Hemrika W, Taranger GL, Bogerd J, Schulz RW. Endocrinology. 2010, 151: 2349-2360.

Molecular cloning and functional characterization of a zebrafish nuclear progesterone receptor. Chen SX, Bogerd J, García-López A, de Jonge H, de Waal PP, Hong WS, Schulz RW. Biol Reprod. 2010, 82: 171-181.

Oestrogen-induced androgen insufficiency results in a reduction of proliferation and differentiation of spermatogonia in the zebrafish testis. de Waal PP, Leal MC, García-López A, Liarte S, de Jonge H, Hinfray N, Brion F, Schulz RW, Bogerd J. J Endocrinol. 2009, 202: 287-297.

Stimulation of cell surface F1-ATPase activity by apolipoprotein A-I inhibits endothelial cell apoptosis and promotes proliferation. Radojkovic C, Genoux A, Pons V, Combes G, de Jonge H, Champagne E, Rolland C, Perret B, Collet X, Tercé F, Martinez LO. Arterioscler Thromb Vasc Biol. 2009, 29: 1125-1130.

Towards the Structure of Plasminogen and its Internal Fragment Angiostatin. de Jonge H. 2005, Tesi di dottorato in Fisiopatologia Sperimentale XVI ciclo (anno accademico 2003-2004).

A new crystal form of the NK1 splice variant of HGF/SF demonstrates extensive hinge movement and suggests that the NK1 dimer originates by domain swapping. Watanabe K, Chirgadze DY, Lietha D, de Jonge H, Blundell TL, Gherardi E. J Mol Biol. 2002, 319: 283-288.

The phospholipase C signaling pathway in locust fat body is activated via G(q) and not affected by cAMP. Vroemen S F, de Jonge H, Van Marrewijk W J A, Van Der Horst D J. Insect Biochemistry and Molecular Biology 1998, 28: 483-490.