

## Curriculum vitae

Name Fumiyo Ikeda  
Nationality Japan

### Research experiences

Since 2011 Junior group leader, IMBA, Vienna, Austria  
2010-2011 Staff scientist, Goethe-Univ. Frankfurt aM, Germany (Dikic Lab)  
2005-2010 Postdoctoral fellow, Goethe-Univ. Frankfurt aM, Germany (Dikic Lab)  
2003-2005 Staff scientist, Osaka Univ., Graduate School of Dentistry, Japan (Yoneda Lab)  
2000-2003 Research assistant, Osaka Univ., Graduate School of Dentistry, Japan (Yoneda Lab)

### Educations

1999-2003 Osaka Univ., Graduate School of Dentistry, Japan  
Major Molecular Biology  
Degree Ph. D.  
1993-1999 Osaka Univ., Dental School, Japan  
Major Dentistry  
Degree D.D.S. (Doctor of Dental Science)

### Key publications

#### From Ikeda Lab:

Rittinger K, Ikeda F. (2017). Linear ubiquitin chains: enzymes, mechanisms and biology. *Open Biology*. 7(4)

Asaoka T, Almagro J, Ehrhardt C, Tsai I, Schleiffer A, Deszcz L, Junttila S, Ringrose L, Mechtler K, Kavirayani A, Gyenesei A, Hofmann K, Duchek P, Rittinger K, Ikeda F. (2016). Linear ubiquitination by LUBEL has a role in Drosophila heat stress response. *EMBO Rep*.17(11):1624-1640.

Kumari S\*, Redouane Y\*, Lopez-Mosqueda J, Shiraishi R, Romanowska M, Lutzmayer S, Kuiper J, Martinez C, Dikic I#, Pasparakis M#, Ikeda F# (2014). Sharpin prevents skin inflammation by inhibiting TNFR1-induced keratinocyte apoptosis. *Elife*. 3, \*equal contribution, # correspondence

#### From postdoc works:

Ikeda F, Deribe YL, Skånland SS, Stieglitz B, Grabbe C, Franz-Wachtel M, van Wijk SJ, Goswami P, Nagy V, Terzic J, Tokunaga F, Androulidaki A, Nakagawa T, Pasparakis M, Iwai K, Sundberg JP, Schaefer L, Rittinger K, Macek B, Dikic I (2011). SHARPIN forms a linear ubiquitin ligase complex regulating NF- $\kappa$ B activity and apoptosis. *Nature*. 471(7340):637-41

Ikeda F, Crosetto N, Dikic I (2010). What determines the specificity and outcomes of ubiquitin signaling? *Cell*. 143(5):677-81

Rahighi S\*, Ikeda F\*, Kawasaki M, Akutsu M, Suzuki N, Kato R, Kensche T, Uejima T, Bloor S, Komander D, Randow F, Wakatsuki S#, Dikic I# (2009). Specific recognition of linear ubiquitin chains by NEMO is important for NF- $\kappa$ B activation. *Cell*. 136(6):1098-109, \*equal contribution, # correspondence

Ikeda F<sup>#</sup>, Dikic I<sup>#</sup> (2008) Atypical ubiquitin chains: new molecular signals. 'Protein Modifications: Beyond the Usual Suspects' review series. *EMBO Rep.* 9(6):536-42, # correspondence

#### From PhD works:

Ikeda F, Nishimura R, Matsubara T, Hata K, Reddy SV, Yoneda T (2006) Activation of NFAT signal in vivo leads to osteopenia associated with increased osteoclastogenesis and bone-resorbing activity. *J Immunol* 177: 2384-2390

Ikeda F, Nishimura R, Matsubara T, Tanaka S, Inoue J, Reddy SV, Hata K, Yamashita K, Hiraga T, Watanabe T, Kukita T, Yoshioka K, Rao A, Yoneda T (2004) Critical roles of c-Jun signaling in regulation of NFAT family and RANKL-regulated osteoclast differentiation. *J Clin Invest* 114: 475-484

#### **Grants**

ERC consolidator grant 'LUbi' (614711), since 2014

FWF grant 'Programmed cell death control by SHARPIN' (P25508), since 2013

COST European network grant 'PROTEOSTASIS' (BM1307), since 2014

#### **Fellowships**

2008-2010 Japan Society for the Promotion of Science, JSPS Postdoctoral Fellowship for Research Abroad (Japan)

2005-2007 The Alexander von Humboldt Foundation, Research Fellowship (Germany)

2005 The Uehara Memorial Foundation, Research Fellowship for Research Abroad (Japan)

2002-2003 The Iwadare Scholarship Foundation, Research Fellowship for PhD program (Japan)

1999-2003 The Japan Scholarship Foundation, Research Fellowship for PhD program (Japan)

#### **Prizes and Awards**

2011 Poster award, 3rd EMBO meeting, Vienna, Austria

2011 Travel award, 13th TNF international conference, Hyogo, Japan

2010 Dr. Paul und Cilli Weill Foundation Award, Goethe-Univ Frankfurt aM, Germany

2003 two Young Investigator Awards, The American Society for Bone and Mineral Research, USA

#### **Teaching**

2014-present Vienna Univ., Biochemie Proseminar (300 051)

2005-2011 Goethe-Univ. Frankfurt aM, Medical school, practical courses (Protein, hormone)

#### **Supervision**

PhD thesis: Petra Ebner (2013-2017), Younes Redouane (2013-2016)

Master thesis: Jorge Almagro (2016-2017), Isabella Poetsch (2015-2017), Christine Ehrhardt (2013-2014), Stefan Lutzmayr (2012-2013)

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