

List of Publications

Peer-Reviewed and In-preparation Articles

- **Abdallah Abu Taha**, Matteo Malinverno, Peetra Magnusson and Elisabetta Dejana "CCM3 is a planar polar protein that synchronizes membrane tension with migration and adhesion machinery in endothelial cells" (in preparation).
- **Abdallah Abu Taha**, Roberta Lugano, Matteo Malinverno, Peetra Magnusson, Anna Dimberg and Elisabetta Dejana "Dynamic Analysis of CD93 protein reveals a hidden role for TNT in organelle transfer between the vasculature and the Glioma tumor" (in preparation).
- **Abdallah Abu Taha** and Elisabetta Dejana "Endothelial cell junctions display functional subdomains" (in preparation).
2019:
- Matteo Malinverno, Claudio Maderna, **Abdallah Abu Taha**, Monica Corada, Fabrizio Orsenigo, Mariaelena Valentino, Federica Pisati, Carmela Fusco, Paolo Graziano, Monica Giannotta, Qing Cissy Yu, Yi Ariel Zeng, Maria Grazia Lampugnani, Peetra Magnusson & Elisabetta Dejana (2019) "Endothelial cell clonal expansion in the development of Cerebral Cavernous Malformations". **Nature Communications**. This paper was featured in Faculty 1000 Prime:
[Malinverno M and **Abu Taha** et al., **Nat Commun** 2019 10(1):2761]. In F1000Prime, 31 Jul 2019; 10.3410/f.736057195.793563173
- Marco Castro, Bàrbara Laviña, Koji Ando, Alberto Álvarez-Aznar, **Abdallah Abu Taha**, Cord Brakebusch, Elisabetta Dejana, Christer Betsholtz & Konstantin Gaengel (2019) "CDC42 deletion elicits cerebral vascular malformations via increased MEKK3-dependent KLF4 expression". **Circulation Research**.
2015:
- Seebach. J, **Abu Taha. A**, Lenk. J, Lindermann. N, Jiang. X, Brinkmann. K, Bogda. S and Schnittler, H-J (2015) "The CellBorderTracker, a novel tool to quantitatively analyze spatiotemporal endothelial junction dynamics at the subcellular level". **Histochemistry and Cell Biology**. Volume 144, Issue 6, pp 517-532.
- Fraccaroli. A, Pitter. B, **Abu Taha. A**, Seebach. J, Stephan. H, Kirsch. J, Ricardo P. Casaroli-Marano, Zahler. S, Pohl. U, Gerhardt. H, S. Schnittler. H-J and Montanez. E (2015). "Endothelial Alpha-Parvin Controls Integrity of Developing Vasculature and Is Required for Maintenance of Cell-Cell Junctions". **Circulation Research**. 117:29-40.
2014:
- **Abu Taha, A.** and H.-J. Schnittler (2014). "Dynamics between actin and the VE-cadherin/catenin complex: Novel aspects of the ARP2/3 complex in regulation of endothelial junctions". **Cell Adhesion & Migration**. 8(2): 125-135.
- **Abu Taha, A**, Taha M, Seebach J, Schnittler H-J. "ARP2/3-mediated junction-associated lamellipodia control VE-cadherin-based cell junction dynamics and maintain monolayer integrity". **Molecular Biology of the Cell**. 2014. This paper was featured in Faculty 1000 Prime:
[**Abu Taha, A** et al., **Mol Biol Cell** 2014, 25(2):245-56]. In F1000Prime, 29 Jan 2014; DOI: 10.3410/f.718175596.793490052. F1000Prime.com/718175596#eval793490052.
- Schnittler, H., M. Taha, M. Schnittler, **Abu. Taha, A**, N. Lindemann and J. Seebach (2014). "Actin filament dynamics and endothelial cell junctions: the Ying and Yang between stabilization and motion". **Cell and Tissue Research** 355(3): 529-543.
2012:
- Kronstein, R., J. Seebach, S. Großklaus, C. Minten, B. Engelhardt, M. Drab, S. Liebner, Y. Arsenijevic, A. **Abu Taha, A**, Afanasieva, T and H.-J. Schnittler (2012). "Caveolin-1 opens endothelial cell junctions by targeting catenins". **Cardiovascular Research** 93(1): 130-140.

Conference Contributions (Abstracts/ Posters and Talks)

- Elisabetta Dejana, Matteo Malinverno and **Abdallah Abu Taha**, Transcriptional regulation of the brain microvasculature, The 20th International Vascular Biology Meeting 2018 (IVBM2018), June 3-7, 2018 Helsinki, (Finland). Part of my data was presented during Prof. Dejana's Talk.
- **Abdallah Abu Taha**, Roberta Lugano, Matteo Malinverno, Peetra Magnusson, Anna Dimberg and Elisabetta Dejana "Dynamic Analysis of CD93 protein reveals a hidden role for TNT in organelle transfer between the vasculature and the Glioma tumor", Vascular-Biology Retreat 2018, Uppsala University, Uppsala (Sweden).

List of Publications-Abdallah Abu Taha

- **Abdallah Abu Taha**, Matteo Malinverno, Petra Magnusson and Elisabetta Dejana "Dynamic Analysis of The Endothelial Cell-to-Cell Junctions' Remodelling to Unravel the Molecular Mechanisms of Cerebral Cavemous Malformations (CCM)", Milano-Uppsala Vascular-Biology Retreat 2017, Uppsala University, Uppsala (Sweden).
- Muna Taha, **Abdallah Abu Taha**, Jochen Seebach and Hans Schnittler. "Epithelial Protein Lost In Neoplasm' (EPLIN) isoforms regulate adherence junction dynamics and integrity of endothelial cells". 3rd Joint Meeting of the GfMVB and the SSMVR, September30–October 02, 2014, Münster (Germany).
- Muna Taha, **Abdallah Abu Taha** and Hans Schnittler. "Dynamics of Epithelial Protein Lost In Neoplasm (EPLIN) isoforms in adherens junction regulation of endothelial cells". Acta Physiologica (Abstract book of the 93rd Annual Meeting of the German Physiological Society, 13-15 March 2014, Mainz (Germany).
- **Abdallah Abu Taha**, Muna Jochen Seebach and Hans Schnittler. "ARP2/3 complex controls endothelial junction integrity". The 17th International Vascular Biology Meeting, 06-02 May 2012, Wiesbaden (Germany).
- Jochen Seebach, Hans Mädler, **Abdallah Abu Taha**, Maria Odenthal-Schnittler, Alexander Mogenstern, Boris Flach, Hans-Dieter Klenk, Hans Schnittler. "Shear stress modulates endothelial cell behaviour under inflammatory conditions". Infection of the endothelium symposium, 2009, Dresden (Germany).
- Romy Kronstein, Hans Mädler, **Abdallah Abu Taha**, Jochen Seebach H. J. Schnittler. "Disseminated intravascular coagulation: Molecular mechanism how thrombin targets endothelial cell junctions". Infection of the endothelium symposium, 2009, Dresden (Germany).
- **Abdallah Abu Taha**. "Challenges, Problems and Opportunities of scientific Research in MENA Region". German-Middle East International Conference (Sciences and Humanities Bridging Cultures)". Organized by the Berlin-Brandenburg Academy of Sciences and Humanities in cooperation with the Alexander von Humboldt Foundation and the German Academic Exchange Service (DAAD), Amman (Jordan).
- **Abdallah Abu Taha**, Jochen Seebach, Romy Kronstein and Hans J. Schnittler. "Endocytosis of VE-Cadherin is induced by cleavage of its extracellular domain in HUVECs". European Journal of Cell Biology (Abstracts book of the 1st Joint **Congress of the Swiss and German Societies of Cell Biology**, March 24 – 27, 2009, Konstanz (Germany).
- **Abdallah Abu Taha**, Romy Kronstein, Julia Schäfer, Jochen Seebach and Hans Schnittler. "Junction regulation of endothelial cells by endocytotic processes", CRTD summer conference, 06 June 2008, Dresden (Germany).
- Romy Kronstein, **Abdallah Abu Taha**, Jochen Seebach, Sylvia Großklaus and Hans Schnittler. "Role of eps15 in caveolin-1-mediated endocytosis of β -catenin after thrombin stimulation". Summer conference, Dresden, Germany, CRTD summer conference, 06 June 2008 Dresden (Germany).

Talks and Invited Talks

- **Abdallah Abu Taha**, Muna Taha, Jochen Seebach, Maik Olfert and Hans Schnittler. "Junction Associated Intermittent Lamellipodia, JAIL, are targets for thrombin and shear stress induced endothelial junction dynamics and barrier function", 3rd Joint Meeting of the German Society for Microcirculation and Vascular Biology (GfMVB) and the Swiss Society for Microcirculation and Vascular Research (SSMVR). September30-02 October 2014, Münster (Germany).
- **Abdallah Abu Taha**, Muna Taha, Jochen Seebach, Maik Olfert and Hans Schnittler. "Junction Associated Intermittent Lamellipodia, JAIL, are targets for thrombin and shear stress induced endothelial junction dynamics and barrier function", 3rd Joint Meeting of the German Society for Microcirculation and Vascular Biology (GfMVB) and the Swiss Society for Microcirculation and Vascular Research (SSMVR). September30-02 October 2014, Münster (Germany).
- **Abdallah Abu Taha**, Muna Taha, Jochen Seebach and Hans Schnittler. "Dynamics of VE-cadherin-based endothelial cell junctions: a novel role for ARP2/3 complex in cell junction regulation". 4th Münster Immunology Meeting, 15 November 2013. Max Planck Institute for Molecular Biomedicine, Münster (Germany).
- **Abdallah Abu Taha**, Jochen Seebach, Muna Taha and Hans Schnittler. "Dynamics of the endothelium-investigated by life cell imaging". 1st UKE Light Microscopy Symposium, February 05-07, 2013 Hamburg (Germany) (**invited speaker**).
- **Abdallah Abu Taha**. "Dynamic remodeling of endothelial cell junctions, Mannheim". Joint Meeting of the GfMVB and The Young Investigator Forum Dutch Society for Endothelial Biology (DEBS) Society for Microcirculation and Vascular Biology (MiVaB), September 27-29, 2012, Heidelberg (Germany) (**invited speaker**).