

Name Laura Ragni

Institution: Institute of Biology II, Plant Cell Biology, University of Freiburg, Schänzlestr. 1, 79104 Freiburg
Contact: Phone: +49 761 203 2529 Email: laura.ragni@biologie.uni-freiburg.de
Position: Full Professor (W3) for Plant cell Biology

Academic education including academic degrees

1999-2005 Laurea Magistrale (B.Sc. + M.Sc.) in plant biotechnology, University of Milano, IT
2003 Erasmus student, University of Warwick, UK

Scientific graduation

12/2005-12/2008 PhD in plant cell biology, University of Paris XI /INRA Versailles, FR

Employment

Since 10/2023 Professor for Plant Cell Biology at the University of Freiburg
10/2013-9/2023 Independent group leader, ZMBP, Center for Plant Molecular Biology, University of Tübingen.
03/2013-09/2013 Maternity leave
01/2009-09/2013 Post-doc, DBMV- Department of Plant Molecular Biology, University of Lausanne, CH
10/2010-02/2011 Maternity leave

Other activities, awards and honours

Since 2022 Member of the SFB1101 "Molecular Encoding of Specificity in Plant Processes"
2022 Offer for a W2 professorship for plant cell biology at the University of Marburg (*declined*)
Since 2021 Advisory board member for New Phytologist
2021 Young Scientists Award of the Mathematics and Natural Sciences Class for Biology for 2021 from the Akademie der Wissenschaften zu Göttingen (Göttingen Academy of Sciences and Humanities)
2015-2018 ELITE program for post-doc from the Baden-Württemberg Stiftung
2012-2013 Marie Heim-Vögtlin fellowship from the Swiss National Foundation
2010-2012 EMBO long term fellowship

Ten most important publications

1. **MYB68 orchestrates cork differentiation by regulating stem cell proliferation and suberin deposition.** Molina D., Horvath S., Zhang X., Xiao W., Ragab N., Ripper D., Kilian J, Andersen TG., **Ragni L.** BioRxiv 2024.03.06.583666; doi: <https://doi.org/10.1101/2024.03.06.583666>
2. **Gibberellin and abscisic acid transporters facilitate endodermal suberin formation in Arabidopsis.** Binenbaum, J., Wulff, N., Camut, L., Kiradjiev, K., Anfang, M., Tal, I., Vasuki, H., Zhang, Y., Sakvarelidze-Achard, L., Davière, J.-M., Ripper, D., Carrera, E., Manasherova, E., Ben Yaakov, S., Lazary, S., Hua, C., Novak, V., Crocoll, C., Weinstain, R., Cohen, H., **Ragni, L.**, Aharoni, A., Band, L.R., Achard, P., Nour-Eldin, H.H., and Shani, E. (2023). Nature Plants 9, 785-802.
3. **The making of a plant armor: the periderm.** Serra O, Mähönen AP, Hetherington AJ, **Ragni L.** 2022. Annual Review of Plant Biology. 73. doi: 10.1146/annurev-arplant-102720-031405
4. **Tissue-autonomous phenylpropanoid production is essential for establishment of root barriers.** Andersen TG, Molina D, Kilian J, Franke R, **Ragni L*** and Geldner N. 2021. Current Biology. 31(5):965-977.e5. doi:10.1016/j.cub.2020.11.070. ***co-corresponding author.**
5. **Auxin and gibberellin signalling cross-talk promotes hypocotyl xylem expansion and cambium homeostasis.** Ben-Targem M, Ripper D, Bayer M, **Ragni L.** 2021. Journal of Exp. Botany. 72(10): 3647-3660. doi: org/10.1093/jxb/erab089
6. **Pluripotent Pericycle Cells Trigger Different Growth Outputs by Integrating Developmental Cues into Distinct Regulatory Modules.** Xiao W, Molina D, Wunderling A, Ripper D and Vermeer J and **Ragni L.** 2020. Current Biology. 30(22):4384-4398.e4385. doi: 10.1016/j.cub.2020.08.053.
7. **The development of the periderm: the final frontier between a plant and its environment.** Campilho A, Nieminen K, **Ragni L.** 2020. Current Opinion in Plant Biology, 53:10-14. doi: 10.1016/j.pbi.2019.08.008.
8. **A molecular framework to study periderm formation in Arabidopsis.** Wunderling A, Ripper D, Barra-Jimenez A, Mahn S, Sajak K, Ben-Targem M, **Ragni L.** 2018. New Phytologist, 219:216-229. doi: 10.1111/nph.15128.
9. **Secondary growth as a determinant of plant shape and form. Seminars in Cell and Developmental Biology,** **Ragni L***, Greb T. 2018. 79:58-67. doi: 10.1016/j.semcdb.2017.08.050. ***co-corresponding author.**
10. **Secondary development in the stem: when Arabidopsis and trees are closer than it seems.** Barra-Jimenez A, **Ragni L.** 2017. Current Opinion in Plant Biology, 35:145-151. doi: 10.1016/j.pbi.2016.12.002.