

# Curriculum Vitae

Dr. Hannes Schuler  
Faculty of Science and Technology  
Free University of Bozen-Bolzano

## Education

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2017	Italian National Habilitation as Associate Professor in the scientific discipline AGR/11 <i>General and Applied Entomology</i>
2009 – 2012	Ph.D. degree, Boku, Vienna. Thesis: “ <i>Diversity in the Orchard: Wolbachia communities in Rhagoletis spp.</i> ” – Supervisors: Prof. Dr. Christian Stauffer and Dr. Wolfgang Arthofer; with honors
2010	M.Sc. in Phytomedicine, Boku, Vienna; with honors
2009	M.Sc. in Agriculture, Boku, Vienna
2007	Erasmus Semester at the Università di Bologna, Bologna, Italy
2003	Enrolment at University of Natural Resources and Life Sciences, Boku, Vienna

## Academic experience

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10/2018 –	Assistant Professor (RTDb) in General and Applied Entomology, Faculty of Science and Technology, Free University of Bozen-Bolzano, Italy
08/2017 – 08/2018	Research Assistant, Laimburg Research Centre, Vadena/Pfatten, Italy
05/2016 – 05/2017	Postdoctoral Research Fellow, Institute of Forest Entomology, Forest Pathology & Forest Protection, Boku, Vienna, Austria
08/2014 – 05/2016	Erwin Schrödinger Fellow, Department of Biological Sciences, University of Notre Dame
09/2013 – 07/2014	Research Assistant, Faculty of Science and Technology, Free University of Bozen-Bolzano, Italy
06/2012 – 08/2013	Postdoctoral Research Fellow, Institute of Forest Entomology, Forest Pathology & Forest Protection, Boku, Vienna, Austria

## Student mentoring and supervision

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2019	Supervisor of the Bachelor student David Elsler, Free University Bozen-Bolzano
2017 –	Co-Supervisor of the PhD student Daniel Bruzzese, University of Notre Dame
2014 – 2018	Co-Supervisor of the PhD student Vid Bakovic, Boku, Vienna
2014 – 2018	Co-Supervisor of the PhD student Martin Schebeck, Boku, Vienna
2016 – 2017	Co-Supervisor of the Master student Lukas Feldkirchner, Boku, Vienna
2016	Supervisor of the Undergraduate student Jack Harris, University of Notre Dame
2009 – 2011	Co-Supervisor of the PhD student Bilal Rasool, Boku, Vienna
2009 – 2011	Co-Supervisor of the Master students Barbara Scheuringer, Sabine Becker and Peter Kern, Boku, Vienna

## Fellowships

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2018	Euregio Young Researcher Award – 2,000 €
2014	Boku Best Paper award – 3,000 €
2012	Dr. Berthold Pohl Award, Bozen, Italy – 3,000 €
2011	Publication award of the Gregor Mendel Society, Austria – 1,000 €
2009	Promotion price of the foundation “120 Jahre Universität für Bodenkultur” – 3,000 €

## Teaching experience

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2019 – 2020	<i>Theory of Scientific Method</i> , Free University Bozen-Bolzano
2019 – 2020	<i>Insects as Pest, Feed and Food</i> , Free University Bozen-Bolzano
2019	<i>Forest Pathology and Forest Protection</i> , Free University Bozen-Bolzano
2018 – 2019	<i>Theory of Scientific Method</i> , Free University Bozen-Bolzano
2013 – 2014	Teaching assistant of <i>Agricultural and Forest Entomology</i> , Free University Bozen-Bolzano
2008	Teaching assistant of <i>Agricultural Pest Diagnosis</i> , Boku, Vienna
2007 – 2008	Teaching assistant of <i>Plant Protection</i> , Boku, Vienna

## Scientific experience

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07/2014	Invited observer at the <i>First research coordination meeting on dormancy management to enable mass-rearing and increasing efficiency of sterile insects and natural enemies</i> , held by the FAO and the IAEA, Vienna, Austria
10/2012	Guest Researcher at the University of Notre Dame, Indiana, USA, funded by the ESF <i>Frontiers in Speciation Research</i>
09/2011	COST meeting <i>Arthropod symbiosis in extreme environment</i> in Brussels, Belgium
01/2011	<i>Workshop on Molecular Evolution</i> in Český Krumlov, Czech Republic
03/2010	COST workshop <i>Advances in Symbiosis Research</i> at the Hebrew University of Jerusalem in Rehovot, Israel

## Language skills

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German	Mother tongue
English	C1 (Toefl 102/120)
Italian	C1 (Zweisprachigkeitsprüfung A, Province BZ)

## Research projects

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2020 – 2023	Population genomics of factors influencing Phytoplasma transmission (FIGHToplasma) – Joint Projects FWF-Province BZ – 592,000€ In cooperation with: Christian Stauffer, University of Natural Resources and applied life Sciences, Boku, Austria (co-PI), Katrin Janik, Research Centre Laimburg; Rosemarie Tedeschi University of Turin; Omar Rota-Stabelli, Fondazione Edmund Mach
2019 –	The Endosymbiont Community of Insect Vectors associated with two Grapevine Yellow Pathosystems (EGYPt) – UniBZ Internal research funds – 13,500 € In cooperation with: Paola Riolo, Università Politecnica delle Marche; Stefanie Fischnaller, Research Centre Laimburg; Ilaria Negri, Università Cattolica del Sacro Cuore
2018 –	Interspecific horizontal <i>Wolbachia</i> transmission in action, Austrian Science Fund (FWF) – 308,000 € In cooperation with: Jeffrey L Feder, University of Notre Dame, USA; Lisa Klasson, Uppsala University, Sweden; Christian Stauffer, University of Natural Resources and applied life Sciences, Boku, Austria
2014 – 2017	The Role of <i>Wolbachia</i> in <i>Rhagoletis</i> Fruit Fly Speciation, Erwin Schrödinger Fellowship, Austrian Science Fund (FWF) – 111,000 €
2014	Impact and evolution of the endosymbiont <i>Wolbachia</i> on <i>Rhagoletis</i> Fruit Flies, Mobility funds, Province of Bolzano, evaluated with 65/65; but rejected due to the acceptance of the Erwin Schrödinger Fellowship – 29,700 €
2012	<i>Wolbachia</i> communities in different host races of <i>Rhagoletis pomonella</i> , Travel Grant of the European Science Foundation – 1,500 €

## Reviewer for funding organization

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2013 OTKA, Hungarian Scientific Research Fund  
2018 GACR, Czech Science Foundation

## Editorial activities

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2019 – Insects; Topic Editor

## Peer review activities

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Ecology Letters (1), Proceedings of the Royal Society of London B (1), Molecular Ecology (3), PloS One (4), Journal of Evolutionary Biology (1), Frontiers in Genetics (1), BMC Evolutionary Biology (1), Journal of Biogeography (1), Environmental Entomology (1), Journal of Insect Science (2), Journal of Pest Sciences (3), Symbiosis (1), Journal of Vector Ecology (1), Bulletin of Insectology (1), Journal of Applied Entomology (1), Insect Conservation and Diversity (1), Insects (1)

## Memberships

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2018 – Italian Society of Entomology  
2016 – German Society of General and Applied Entomology  
2015 – Entomological Society of America  
2011 – Gregor Mendel Society Vienna  
2010 – Network of Biological Systematics Austria

## Media coverage

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*Grundlagenforschung für nachhaltige Pflanzenschutzstrategie – Dolomiten*, 06.11.2019  
*Insetti vettori di batteri e malattie – Una ricerca per scoprire le cause – Alto Adige*, 04.11.2019  
*Was macht Insekten zu Überträgern von Krankheiten im Obstbau? – Südtirol News, Südtirol Online* 04.11.2019  
*Schädlinge im Anmarsch – Rainews.it*, 04.11.2019  
*Invasive Schädlinge – Frühstücksradi Rai Südtirol*, 02.11.2019  
*Cherry-picking among flies – Scilog of the Austrian Science Fund FWF*  
*Kein Nachwuchs ohne die richtigen Mikroben – Die Presse*, 26.01.2019  
*Mit wem Fliegen nicht gern Kirschen essen – UFA Revue, Schweizer Zeitschrift f. d. Schweizer Landwirtschaft*  
*Land und Leben – Radio Interview with Rai Südtirol*, 26.08.2018  
*Verhalten von invasiven Fruchtfliegen frühzeitig erkennen – Dolomiten*, 21.08.2018  
*Südtiroler des Tages – Radio Station Südtirol 1*, 20.08.2018  
*Research in South Tyrol – Radio Interview with Rai Südtirol*, 09.03.2018  
*Staying with the “Fighting Irish” – On the road, Scilog of the Austrian Science Fund FWF*  
*Südtiroler des Tages – Radio Station Südtirol 1*, 26.05.2012  
*Pohl-Stipendium an Hannes Schuler – Dolomiten*, 30.05.2012

## Publications

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### Book chapters

**Schuler H**, Doellmann MM, Lopez JA, Hood GR, Egan SP, Feder JL 2019 Target-enriched endosymbiont sequencing (TEEseq): A new high-throughput sequencing approach applied to the comprehensive characterization of endosymbionts. In: Brown S, and Pfrender ME (eds.). *Insect Genomics, Methods in Molecular Biology*, Springer-Nature, New York. 1858, pp. 195-212.

- Feder JL, Hood GR, Doellman MM, **Schuler H**, Miller A, Tait C, Glover MM, Meyers P 2017 Speciation, Process of. In: *Reference Module in Life Sciences* (ed. B. Roitberg). Elsevier Press.
- Schuler H**, Hood GR, Egan SP, Feder JF 2016 Modes and Mechanisms of speciation. In: *Reviews in Cell Biology and Molecular Medicine* (ed. R. Meyers). Wiley, Weinheim, Germany.

#### SCI publications

- Bakovic V, **Schuler H**, Schebeck M, Feder JL, Stauffer C, Ragland GJ 2019 Host plant-related genomic differentiation in the European cherry fruit fly, *Rhagoletis cerasi*, *Molecular Ecology*, 28, 4648–4666.
- Doellman MM, **Schuler H**, Saint Jean G, Hood GR, Egan SP, Powell THQ, Glover MM, Bruzese DJ, Smith JJ, Yee WL, Goughnour RB, Rull J, Aluja M, Feder JL 2019 Geographic and Ecological Dimensions of host plant-associated genetic differentiation and speciation in the *Rhagoletis cingulata* (Diptera: Tephritidae) sibling species group, *Insects*. 10(9).
- Schebeck M, Feldkirchner L, Stauffer C, **Schuler H** 2019 Dynamics of an Ongoing *Wolbachia* Spread in the European Cherry Fruit Fly, *Rhagoletis cerasi* (Diptera: Tephritidae), *Insects*, 10(6), 172.
- Schebeck M, **Schuler H**, Einramhof B, Avtzis DN, Dowle EJ, Faccoli M, Battisti A, Ragland GJ, Stauffer C, Bertheau C 2019 The Apennines as cryptic Pleistocene refugium of the bark beetle *Pityogenes chalcographus* (Coleoptera: Curculionidae), *Biological Journal of the Linnean Society*, 127, 24–33.
- Schebeck M, Krumböck S, **Schuler H**, Stauffer C 2019 Are bacterial endosymbionts reproductive manipulators in the bark beetle *Ips acuminatus*? *Proceedings of the German Society for General and Applied Entomology*, in press.
- Schuler H**, Egan SP, Hood GR, Busbee RW, Driscoe AL, Ott JR 2018 Diversity and distribution of *Wolbachia* in relation to geography, host plant affiliation and life cycle of a heterogonic gall wasp, *BMC Evolutionary Biology*, 18:37.  
*Highlighted in: BMC Evol Biol, featured article: Can a simple infection affect the evolution of a host species?*
- Bakovic V, Schebeck M, Telschow A, Stauffer C\*, **Schuler H**\* 2018 Spatial spread of *Wolbachia* in *Rhagoletis cerasi* populations, *Biology Letters*, 14(5): 20180161. \*equally contributing last authors.
- Doellman MM, Ragland GJ, Hood GR, Meyers PJ, Egan SP, Powell THQ, Lazorchak P, Glover MM, Tait C, **Schuler H**, Hahn DA, Berlocher SH, Smith JJ, Nosil P, Feder JL 2018 Genomic differentiation during speciation-with-gene-flow: Comparing geographic and host-related variation in divergent life history adaptation in *Rhagoletis pomonella*, *Genes*, 9:5, 262.
- Schebeck M, Dowle EJ, **Schuler H**, Avtzis DN, Bertheau C, Feder JL, Ragland GJ, Stauffer C 2018 Pleistocene climate cycling and host plant association shaped the demographic history of the bark beetle *Pityogenes chalcographus*, *Scientific Reports*, 8:14207.
- Schebeck M, Feldkirchner L, Marín B, Krumböck S, **Schuler H**\*, Stauffer C\* 2018 Reproductive manipulators in the bark beetle *Pityogenes chalcographus* (Coleoptera: Curculionidae) – The role of *Cardinium*, *Rickettsia*, *Spiroplasma*, and *Wolbachia*, *Journal of Insect Science*, 18(3):4.  
\*equally contributing last authors.
- Bakovic V, Stauffer C, **Schuler H** 2018 Allochronic isolation as a potential factor for prezygotic isolation in *Rhagoletis cerasi* (L.), *Proceedings of the German Society for General and Applied Entomology*, 21, 67–70.
- St. Jean G, Hood GR, Egan SP, Powell THQ, **Schuler H**, Doellman MM, Glover M, Smith JJ, Yee W, Goughnour RB, Thistlewood HMA, Maxwell SA, Keyghobadi N, Rull J, Aluja M, Feder JL 2018 Limited genetic evidence for host plant-related differentiation in the Western cherry fruit fly *Rhagoletis indifferens* (Diptera: Tephritidae), *Entomologia Experimentalis et Applicata*, 166 (9), 739-751.
- Schuler H**, Köppler K, Daxböck-Horvath S, Rasool B, Krumböck S, Schwarz D, Hoffmeister TS, Schlick-Steiner BC, Steiner FM, Telschow A, Stauffer C, Arthofer W, Riegler M 2016 The hitchhiker's guide through Germany – The selective sweep of a mitochondrial haplotype of *Rhagoletis cerasi* with its invading *Wolbachia* strain. *Molecular Ecology*, 25, 1595–1609.
- Schuler H**, Kern P, Arthofer W, Vogt H, Fischer M, Stauffer C, Riegler M 2016 *Wolbachia* in parasitoids attacking native European and introduced eastern cherry fruit flies in Europe, *Environmental Entomology*, 45, 1424–1431.
- Kawasaki Y, **Schuler H**, Stauffer C, Lakatos F, Kajimura H 2016 *Wolbachia* endosymbionts in

- haplodiploid and diploid scolytine beetles (Coleoptera: Curculionidae: Scolytinae) *Environmental Microbiology Reports*, 8, 680–688.
- Tadeo E, Feder JL, Egan SP, **Schuler H**, Aluja M, Rull J 2014 Divergence and evolution of reproductive barriers among three allopatric populations of *Rhagoletis cingulata* across eastern North America and México. *Entomologia Experimentalis et Applicata*, 156, 301–311.
- Schuler H**, Bertheau C, Egan SP, Feder JL, Riegler M, Schlick-Steiner BC, Steiner FM, Johannesen J, Kern P, Tuba K, Lakatos F, Köppler K, Arthofer W, Stauffer C 2013 Evidence for a recent horizontal transmission and spatial spread of *Wolbachia* from endemic *Rhagoletis cerasi* (Diptera: Tephritidae) to invasive *Rhagoletis cingulata* in Europe. *Molecular Ecology*, 22, 4101–4111.
- Bertheau C, **Schuler H**, Arthofer W, Avtzis DN, Meyer F, Krumböck S, Moodley Y, Stauffer C 2013 Divergent evolutionary histories of two sympatric spruce bark beetle species. *Molecular Ecology*, 22, 3318–3332.
- Johannesen J, Keyghobadi N, **Schuler H**, Stauffer C, Vogt H 2013 Invasion genetics of American cherry fruit fly in Europe and signals of hybridization with the European cherry fruit fly. *Entomologia Experimentalis et Applicata*, 147, 61–72.
- Tuba K, **Schuler H**, Stauffer C, Lakatos F 2012 First found of the walnut husk fly, *Rhagoletis completa* (Cresson 1929) (Diptera: Tephritidae), in Hungary. *Növényvédelem*, 48, 419–424.
- Schuler H**, Arthofer W, Krumböck S, Bertheau C, Stauffer C 2012 *Wolbachia* Infection in the Walnut-Husk Fly *Rhagoletis completa* (Diptera: Tephritidae). *Proceedings of the German Society for General and Applied Entomology*, 18, 243–245.
- Arthofer W, Riegler M, **Schuler H**, Schneider D, Moder K, Miller WJ, Stauffer C 2011 Allele Intersection Analysis: a novel tool for multi locus sequence assignment in multiply infected hosts. *PLoS One* 6, e22198.
- Bertheau C, **Schuler H**, Krumböck S, Arthofer W, Stauffer C 2011 Hit or miss in phylogeographic analyses: the case of the cryptic NUMTs. *Molecular Ecology Resources*, 11, 1056–1059.
- Schuler H**, Arthofer W, Riegler M, Krumböck S, Köppler K, Vogt H, Teixeira LAF, Stauffer C 2011 Multiple *Wolbachia* infections in *Rhagoletis pomonella*. *Entomologia Experimentalis et Applicata*, 139, 138–144.
- Arthofer W, Krumböck S, **Schuler H**, Rasool B, Riegler M, Köppler K, Stauffer C 2009 Thirteen new microsatellite loci in the *Wolbachia* field model species *Rhagoletis cerasi* (Diptera: Tephritidae). *Molecular Ecology Resources*, 18, 3816–3839.
- Schuler H**, Arthofer W, Krumböck S, Köppler K, Vogt H, Teixeira LAF, Riegler M, Stauffer C 2009 The bacterial endosymbiont *Wolbachia* in the invasive cherry pest *Rhagoletis cingulata* (Diptera, Tephritidae). *Proceedings of the German Society for General and Applied Entomology*, 17, 99–101.

#### Non-SCI publications

- Schuler H** 2017 Fruchtfliegen – Alte Bekannte oder neue Gefahr für Südtirol? *Obstbau\*Weinbau*, 10, 5–9.
- Schuler H**, Stauffer C 2017 *Wolbachia*: Ein bakterieller Endosymbiont zur Bekämpfung von Schadinsekten. In: Arbeitsgemeinschaft für Lebensmittel, Veterinär- und Agrarwesen, Tagungsbericht 2017 Zukunft Obstbau, 229–231.

#### Congress contributions

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##### Invited talks

- Schuler H** 2018 Invasive Fruit Flies in Europe: Assessing the Invasion Process on three Trophic Levels. Tyrol Days of the European Region Tyrol, Alpbach, Austria – Invited talk.
- Schuler H** 2018 (Un)erwünschte Mitbewohner: Wie Bakterien Insekten kontrollieren. Out of the Lab, Noi Techpark, Bozen, Italy – Invited talk.

- Schuler H** 2017 *Wolbachia* as important factor in evolution and potential tool to control insect pests. Series of Lectures, Laimburg, Italy – Invited talk.
- Schuler H** 2017 Der bakterielle Endosymbiont *Wolbachia* in Fruchtfliegen der Gattung *Rhagoletis*. University of Natural Resources and Life Sciences, Boku, Vienna, Austria – Invited talk.
- Schuler H** 2013 Blinde Passagiere – Die Rolle des Endosymbionten *Wolbachia* in der Artbildung von Fruchtfliegen der Gattung *Rhagoletis*. *Phylogenie kontroversiell*, Naturhistorisches Museum Wien, Austria – Invited talk.
- Schuler H** 2011 Bakterielle Symbionten in Insekten – Fluch oder Segen? 66. *Entomologentagung AÖG*, Vienna, Austria – Invited talk.
- Schuler H** 2010 The endosymbiont *Wolbachia* fruit flies of the genus *Rhagoletis*: Horizontal transfer and impact in speciation *VIIth Annual Conference of the Network of Biological Systematics NOBIS*, Karl Franzens University of Graz, Austria – Invited talk.

#### Conference presentations

- Schuler H**, Klasson L, Feder JL, Stauffer C 2019 Interspecific horizontal *Wolbachia* transmission between native and invasive *Rhagoletis* fruit flies in Europe. Congress of the German Society of general and applied Entomology, Halle (Saale), Germany – Talk.
- Schuler H**, Janik K, Borruso L, Galli J, Fischnaller S, Rota-Stabelli O, Anfora G, Weil T The microbial communities in *Cacopsylla* spp. (Hemiptera: Psyllidae) as a proxy for species determination 6th annual meeting of the Austrian Barcode of Life, Innsbruck, Austria – Lightning talk.
- Bruzzese D, **Schuler H**, Feder JL *Wolbachia* strain diversity and cytoplasmic incompatibility in western (*Rhagoletis indifferens*) and eastern cherry fruit flies (*Rhagoletis cingulata*). Entomology 2019, St. Louis, USA – Talk.
- Schebeck M, Dowle EJ, **Schuler H**, Avtzis DN, Bertheau C, Feder JL, Ragland RJ, Stauffer C 2019 Recent evolutionary history of the bark beetle *Pityogenes chalcographus*. Congress of the German Society of general and applied Entomology, Halle (Saale), Germany – Talk.
- Schebeck M, Feldkirchner L, Marín B, Krumböck S, **Schuler H**, Stauffer C 2019 Bacterial endosymbionts of the bark beetle *Ips acuminatus*. Congress of the German Society of general and applied Entomology, Halle (Saale), Germany – Poster.
- Schierano F, Schebeck M, Bakovic V, Krumböck S, Zabransky P, **Schuler H**, Stauffer C 2019 Infection dynamics of *Wolbachia* in a Czech transect of *Rhagoletis cerasi*. Congress of the German Society of general and applied Entomology, Halle (Saale), Germany – Poster.
- Schuler H**, Janik K, Rota-Stabelli O, Anfora G, Weil T 2018 The microbial community of *Cacopsylla* spp. (Hemiptera: Psyllidae), XIIth Annual Conference of the Network of Biological Systematics NOBIS, Museum of Nature South Tyrol, Bolzano, Italy – Talk.
- Schuler H**, Janik K, Rota-Stabelli O, Anfora G, Weil T 2018 Diversity and evolution of endosymbionts in *Cacopsylla* spp. (Hemiptera: Psyllidae), Xth Conference Zoological and Botanical Science in South Tyrol. Museum of Nature South Tyrol, Bolzano, Italy – Talk.
- Schuler H**, Janik K, Albanese D, Pindo M, Goremykin V, Cavalieri D, Rota-Stabelli O, Anfora G, Weil T 2018 Potential influence of the microbial community of *Cacopsylla melanoneura* (Hemiptera: Psyllidae) in phytoplasma transmission, XI European congress of Entomology, Naples, Italy – Poster.
- Bakovic V, Schebeck M, **Schuler H**, Feder JL, Stauffer C, Dowle E, Ragland GJ, 2018. Genome-wide divergence as a consequence of sympatric speciation of *Rhagoletis cerasi* host plant ecotypes. 13th Croatian Biological Congress, Porec, Croatia – Talk.
- Bakovic V, **Schuler H**, Schebeck M, Dowle E, Feder JL, Stauffer C, Ragland GJ, 2018. A genome-wide diversification analysis of *Rhagoletis cerasi* sympatric host-plant ecotypes. 2nd Joint Congress on Evolutionary Biology, Montpellier, France – Poster.
- Bruzzese D, **Schuler H**, Glover M and Feder J 2018 *Wolbachia* induced post-zygotic isolation among allopatric populations of *Rhagoletis cingulata* and *Rhagoletis indifferens*. *ESA Meeting*, Vancouver, Canada – Talk.

- Schuler H**, Stauffer C 2017 *Wolbachia*: Ein bakterieller Endosymbiont zur Bekämpfung von Schadinsekten. Alva-Tagung "Zukunft Obstbau", Waldkirchen am Wesen, Austria - Talk.
- Schuler H**, Doellman MM, Hood GR, Yee W, Rull J, Feder JL 2017 The endosymbiont *Wolbachia* as potential incompatibility factor in cherry infesting *Rhagoletis* fruit fly species. Congress of the German Society of general and applied Entomology, Freising, Germany - Talk.
- Feldkirchner L, Krumböck S, Stauffer C, **Schuler H** 2017 Infection dynamics of the *Wolbachia* strain wCer2 in a German transect of *Rhagoletis cerasi* (Diptera: Tephritidae). Congress of the German Society of general and applied Entomology, Freising, Germany - Talk.
- Bakovic V, **Schuler H**, Schebeck M, Stauffer C 2017 The distribution of *Wolbachia* in two transition zones of *Rhagoletis cerasi* L. (Diptera, Tephritidae). Congress of the German Society of general and applied Entomology, Freising, Germany - Talk.
- Stauffer C, Schebeck M, Feldkirchner L, Marín B, Krumböck S, **Schuler H** 2017 Screening for endosymbionts affecting the reproduction of *Pityogenes chalcographus* and *Ips acuminatus*. Congress of the German Society of general and applied Entomology, Freising, Germany - Poster.
- Bakovic V, Schebeck M, Stauffer C, **Schuler H** 2017 Allochronic isolation as a potential factor for prezygotic isolation in *Rhagoletis cerasi* L. (Diptera, Tephritidae). Congress of the German Society of general and applied Entomology, Freising, Germany - Poster.
- Stauffer C, Schebeck M, Einramhof B, **Schuler H**, Krumböck S, Avtzis DN, Faccoli M, Battisti A, Bertheau C 2017 The Apennine as important glacial refugial area for the spruce bark beetle *Pityogenes chalcographus*. Congress of the German Society of general and applied Entomology, Freising, Germany - Poster.
- Schebeck M, Avtzis DN, Dowle EJ, Bertheau C, **Schuler H**, Feder JL, Ragland GJ, Stauffer C 2017 RAD sequencing helps to unravel the phylogeography of the European spruce bark beetle, *Pityogenes chalcographus*. IUFRO Ecology and Management of Bark and Wood Boring Insects: Novel risks with bark and wood boring insects in broadleaved and conifer forests, Thessaloniki, Greece - Talk.
- Schebeck M, Dowle EJ, Avtzis, DN, Bertheau C, **Schuler H**, Feder JL, Ragland GJ, Stauffer C 2017 RAD Sequencing helps to unravel the phylogeography of the spruce bark beetle *Pityogenes chalcographus* (L.). NOBIS Austria, Young Researchers' Day 2017, Vienna, Austria - Talk.
- Schebeck M, Dowle EJ, Feder JL, **Schuler H**, Avtzis DN, Bertheau C, Stauffer C, Ragland GJ 2017 Population genomics of the European spruce bark beetle, *Pityogenes chalcographus*. Western Forest Insect Work Conference, Jackson, USA - Talk.
- Schebeck M, Einramhof B, **Schuler H**, Krumböck S, Avtzis D, Faccoli M, Battisti A, Bertheau C, Stauffer C 2017 The Apennine as source of haplotype diversity in the spruce bark beetle *Pityogenes chalcographus*. IUFRO Ecology and Management of Bark and Wood Boring Insects: Novel risks with bark and wood boring insects in broadleaved and conifer forests, Thessaloniki, Greece - Poster.
- Schuler H** 2016 The infection dynamics of *Wolbachia* between native and invasive *Rhagoletis* fruit flies in Europe. Facing the invasion of Alien Arthropod Species, Trento, Italy - Talk.
- Schuler H**, Feder JL 2016 Der Endosymbiont *Wolbachia* als möglicher Faktor in der Evolution amerikanischer Kirschfruchtfliegen. Xth Annual Conference of the Network of Biological Systematics NOBIS, Schlossmuseum, Linz - Talk.
- Schuler H** 2016 Diversity and distribution of the endosymbiont *Wolbachia* in cherry infesting *Rhagoletis* fruit flies and its potential impact in speciation. IXth Conference Zoological and Botanical Science in South Tyrol. Museum of Nature South Tyrol, Bolzano, Italy - Talk.
- Schuler H**, Doellman MM, Hood GR, Glover M, Yee W, Rull J, Aluja M, Egan SP, Feder JL 2015 The potential role of *Wolbachia* as an incompatibility factor between cherry infesting *Rhagoletis* fruit fly species. ESA Meeting, Minneapolis, USA - Talk.
- Schuler H**, Doellmann MM, Lopez JA, Hood GR, Egan SP, Feder JL 2015 Target enriched Double Digest RADseq a novel approach for the high resolution characterization of the endosymbiont *Wolbachia*. 13th Ecological Genomic Symposium, Manhattan, KS - Poster.

- Bakovic V, Schebek M, Krumböck S, Stauffer C, Ragland G, **Schuler H** 2015 The potential role of ecological adaptation and *Wolbachia* infection in the diversification of *Rhagoletis cerasi*. *XIIth Croatian Biological Congress*, Sveti Martin na Muri, Croatia – Poster.
- Schuler H**, Tadeo E, Saint Jean G, Rull J, Aluja M, Egan SP, Stauffer C, Feder JL 2014 *Wolbachia* as incompatibility factor between *Rhagoletis* populations from North America and Mexico. *VIIIth International Wolbachia Conference*, Innsbruck, Austria – Poster.
- Schuler H**, Köppler K, Daxböck-Horvath S, Rasool B, Krumböck S, Schwarz D, Hoffmeister TS, Schlick-Steiner BC, Steiner FM, Stauffer C, Arthofer W, Riegler M 2014 The history and ongoing invasion of *Wolbachia* in European *Rhagoletis cerasi* populations. *VIIIth International Wolbachia Conference*, Innsbruck, Austria – Poster.
- Bertheau C, **Schuler H**, Arthofer W, Avtzis DN, Mayer F, Krumböck S, Moodley Y, Stauffer C 2014 Divergent evolutionary histories of two sympatric spruce bark beetle species. *EU COST Action: FP1002 PERMIT Pathway Evaluation and pest Risk Management In Transport. Final Conference and Management Committee Meeting*, Estoril, Portugal – Talk.
- Fernandez Ferrari CM, Pattamayutanon P, **Schuler H**, Fontana P, Malagnini V, Chantawannakul P, Angeli S 2014 Honey bees as sentinels of the environment: bee health, pesticides, environmental pollution and parasites. *Thai-Italian Conference on Food and Agriculture for Sustainable Upland Development*, Chiang Mai University, Thailand – Talk.
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