

Curriculum Vitae

Prof. Hannes Schuler

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Education

2020	Italian National Habilitation as Full Professor in the scientific discipline AGR/11 <i>General and Applied Entomology</i>
2017	Italian National Habilitation as Associate Professor in the scientific discipline AGR/11 <i>General and Applied Entomology</i>
2009 – 2012	Ph.D., 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

10/2025 –	Director of the Bachelor Program Sustainable Agriculture and Forestry in Mountain Environments, Free University of Bozen-Bolzano, Italy
03/2025 –	Vice-Director and Member of the steering body of the Competence Centre for Plant Health, Free University of Bozen-Bolzano, Italy
10/2021 –	Associate Professor in General and Applied Entomology, Faculty of Science and Technology, Free University of Bozen-Bolzano, Italy
10/2020 –	Member of the Competence Centre for Plant Health, Free University of Bozen-Bolzano, Italy
10/2018 – 09/2021	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, USA
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

Language skills

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

Student mentoring and supervision

PhD students

- 2025 – Supervisor of the PhD student Matilde Frascari, Free University Bozen-Bolzano, tentative title: Factors influencing the outbreak of the Woolly Apple Aphid *Eriosoma lanigerum*, funded by ALPOMA
- 2025 – Supervisor of the PhD student Alessandro Borsotti, Free University Bozen-Bolzano, tentative title: Molecular characterization and biological role of non-hatched parasitic wasps in stink bug egg masses, co-funded by Research Centre Laimburg
- 2023 – Supervisor of the PhD student Marta Chignola, Free University Bozen-Bolzano, tentative title: Biology of the invasive apricot aphid (*Myzus mumecola*), funded by PNRR DM 117/2023 and Research Centre Laimburg
- 2023 – Supervisor of the PhD student Filippo Rey, Free University Bozen-Bolzano, tentative title: Identification of the core microbiome of apple fruit with symptoms of the sooty blotch complex, funded by PNRR DM 117/2023 and Research Centre Laimburg
- 2023 – Co-supervisor of the PhD student Inajara Viana Gomes Lima, Boku, Vienna / FAO/IAEA Seibersdorf (A), tentative title: Phytosanitary treatments against target pests
- 2023 – Co-supervisor of the PhD student Sonja Mader, Boku, Vienna, tentative title: Molecular ecology and insect pests
- 2021 – 2025 Supervisor of the PhD student Maja Fluch, Free University Bozen-Bolzano, tentative title: Molecular analysis of the feeding behavior and the microbiome of the Brown marmorated stink bug *Halyomorpha halys* (Heteroptera: Pentatomidae) in South Tyrol
- 2021 – 2025 Supervisor of the PhD student Juan Sebastian Enciso Garcia, Free University Bozen-Bolzano, tentative title: Sustainable control of insect vectors of Flavescence dorée in South Tyrol, funded by PON ricerca e innovazione.
- 2020 – 2024 Supervisor of the PhD student Giulia Calia, Food Engineering and Biotechnology, Free University of Bozen-Bolzano; tentative title: Comparative Genomics of 'Candidatus Phytoplasma mali' strains to determine genetic factors of pathogenicity and invasivity, funded by Fondazione Edmund Mach and Research Centre Laimburg
- 2017 – 2023 Co-Supervisor of the PhD student Daniel Bruzzese, University of Notre Dame, Title: The coupling of non-endosymbiont and endosymbiont reproductive isolation and its effect on population divergence and speciation. Mixed mode dynamics of ecological and geographic speciation in the *Rhagoletis cingulata* sibling species group and associated *Wolbachia* endosymbionts.
- 2014 – 2018 Co-Supervisor of the PhD student Vid Bakovic, Boku, Vienna; title: Speciation contributing to the genetic population structure of the European cherry fruit fly, *Rhagoletis cerasi*
- 2009 – 2011 Co-Supervisor of the PhD student Bilal Rasool, Boku, Vienna; title: *Wolbachia* in Fruit Flies and its Implications for Biocontrol

Master students

- 2025 – Co-supervisor of the Master student Miriam Perntner, Boku, Vienna, tentative title: The parasitoid community of the invasive apricot aphid *Myzus mumecola*.
- 2024 – Co-supervisor of the Master student Vera Christandl, Boku, Vienna, tentative title: Adaptation to *Halyomorpha halys*, an evolutionary trap for native parasitoids?
- 2023 – Co-supervisor of the Master student Sarah Thaler, Boku, Vienna, tentative title: Phylogeography of *Cacopsylla melaneura*, a psyllid vector of apple proliferation
- 2023 Supervisor of the Master student Marta Chignola, Free University Bozen-Bolzano, tentative title: Validation of a molecular gut analysis of *Halyomorpha halys* using Nanopore sequencing.
- 2023 Co-supervisor of the Master student Erika Pitzus, Università degli studi di Torino, title: Comparative Studies of 'Candidatus Phytoplasma mali' concentrations in different populations of *Cacopsylla melanoneura* from Trentino-South Tyrol

2021	Supervisor of the Master student Maja Fluch, Free University Bozen-Bolzano, title: Genetic survey of parasitoid diversity of <i>Halyomorpha halys</i> in South Tyrol
2021	Co-supervisor of the Master student Abdelhady Elshal, Boku, Vienna; title: Horizontal transmission and infection dynamics of <i>Wolbachia</i> in <i>Rhagoletis cingulata</i>
2020 – 2021	Co-supervisor of the Master student Lukas Vonmetz, Boku, Vienna; title: Spatial spread in Central Europe of <i>Wolbachia</i> strains <i>wCin 1</i> and <i>wCin2</i> in <i>Rhagoletis cingulata</i>
2011	Co-Supervisor of the Master student Peter Kern, Boku, Vienna; title: Parasitoids as potential vectors of <i>Wolbachia</i> transfer
2009	Co-Supervisor of the Master student Barbara Scheuringer, Boku, Vienna; title: Der Endosymbiont <i>Wolbachia</i> in <i>Rhizophagus grandis</i>
2009	Co-Supervisor of the Master student Sabine Becker, Boku, Vienna; title: The endosymbiont <i>Wolbachia</i> in <i>Dendroctonus micans</i> (Coleoptera, Curculionidae)
2016 – 2017	Co-Supervisor of the Master student Lukas Feldkirchner, Boku, Vienna; title: Infection dynamics of the <i>Wolbachia</i> strain <i>wCer2</i> in a German transect of <i>Rhagoletis cerasi</i>

Bachelor students

2025 –	Supervisor of the bachelor student Paul Scherer, Free University Bozen-Bolzano, tentative title: The parasitoid community of <i>Ips typographus</i> in South Tyrol
2025	Supervisor of the bachelor student Moritz Hochrainer, Free University Bozen-Bolzano, title: Insekten als alternatives Futtermittel für die Hühnerhaltung
2025	Supervisor of the bachelor student Philipp Pichler, Free University Bozen-Bolzano, title: Establishment of a droplet digital PCR to detect and quantify <i>Flavescence doreë</i> phytoplasma in <i>Scaphoideus titanus</i>
2023	Supervisor of the bachelor student Miriam Stuefer, Free University Bozen-Bolzano, title: Abundance and diversity of mites associated with the European spruce bark beetle <i>Ips typographus</i> in South Tyrol
2022	Supervisor of the bachelor student Valentina Dellai, Free University Bozen-Bolzano, title: Adaptation of parasitoids to invasive species
2019	Supervisor of the Bachelor student David Elsler, Free University Bozen-Bolzano, title: Population genetic structure of the Brown marmorated stink bug <i>Halyomorpha halys</i> in South Tyrol
2016	Supervisor of the Undergraduate student Jack Harris, University of Notre Dame

Teaching experience

2021 – today	<i>Pflanzenschutz</i> , course of the B.Sc. Program Agricultural, Food and Mountain Environmental Sciences, Free University Bozen-Bolzano
2021 – today	<i>Vorratsschutz</i> , course of the B.Sc. Program Agricultural, Food and Mountain Environmental Sciences, Free University Bozen-Bolzano
2018 – today	<i>Theory of Scientific Method</i> , compulsory course of four PhD programs, UniBZ
2022 – 2025	Tierische Biodiversität und Effekte von landwirtschaftlichen Produktionssystemen auf die Umwelt, course of the B.Sc. Enogastronomy in Mountain Areas, UniBZ
2019 – 2023	<i>Insects as Pest, Feed and Food</i> , course of the Master program Food Sciences for Innovation and Authenticity, UniBZ
2019	<i>Forest Pathology and Forest Protection</i> , Summer School for the B.Sc. Program Agricultural, Food and Mountain Environmental Sciences, UniBZ
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

2025	Evaluator of the dissertation of Sebastiano Zanini, University of Innsbruck
2025	Hosting of Anna Michalik, Jagellonian University Krakow, for a 1-week internship in our lab, funded by Erasmus+
2024	Member of the examination board of the PhD degree <i>Agricultural, Forest and Food Sciences</i> , University of Turin
2023	Evaluator of the dissertation of Sofia V. Prieto, University of Turin
2023	Evaluator of the dissertation of Bianca Orrù, University of Turin
2023	Hosting of the PhD student Monica Pramatarova, Sofia University "St. Kliment Ohridski", Bulgaria for a 2-week internship in our lab, funded by Erasmus+
2022	Member of the agricultural European Innovation Partnership (EIP Agri) Focus Group Sustainable pome and stone fruit production
2022 –	Member of the Network for phytosanitary research coordination and funding Euphresco for the research topic TEPHRIFADE, Fast detection methods for quarantine Tephritidae
2021	Evaluator of the dissertation of Mizuki Uemura, University of Padova
2020 –	Member of the environmental DNA working group of the Biomonitoring South Tyrol, EURAC, Italy
2020	Evaluator of the dissertation of Katerina Nikolouli, Boku, Vienna
2018 –	Member of the working group Biomonitoring South Tyrol, EURAC, Italy
2018 – 2023	Member of the PhD committee of Daniel Bruzzese, University of Notre Dame, USA
2018 –	Member of the Study Council of the PhD Program “Food Engineering and Biotechnology”, Faculty of Science and Technology, Free University of Bozen-Bolzano.
2018 –	Member of the Course Council of the B.Sc. Program “Agricultural, Food and Mountain Environmental Sciences”, Faculty of Science and Technology, Free University of Bozen-Bolzano.
11/2018	Evaluator of the Dissertation of Vid Bakovic, Boku, Vienna
2017 – 2021	Visiting Scholar, University of Notre Dame, Indiana, USA
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

Fellowships

2023	Research Award for Young Researchers 2023 of the Stiftung Südtiroler Sparkasse
2018	Euregio Young Researcher Award
2014	Boku Best Paper award
2012	Dr. Berthold Pohl Award, Bozen, Italy
2011	Publication award of the Gregor Mendel Society, Austria
2009	Promotion price of the foundation “120 Jahre Universität für Bodenkultur”

Organization of Conferences and Events

2023	Organization of the public event „Digital Phytoplasmaology“ NOI Techpark, 12.07.2023
2022	Organization of the public event „Grüne Gentechnik: Reden wir darüber! / Tecniche genetiche verdi: parliamone!“ NOI Techpark, 14.11.2022
2022	Member of the organizing committee III Convegno AISSA#UNDER40, 14.-16.07.2022

Research projects as PI

2026 – 2028	Genetic Variability of the woolly apple aphid <i>Eriosoma lanigerum</i> , (ErioGenomics) Alpoma, 300,000€ Hannes Schuler (PI)
2026 – 2028	Phytoplasma monitoring (PhyMo), Alpoma, 225,000€ Hannes Schuler (PI)
2025 – 2028	Cell Imaging Lab for the investigation of plant stress factors, EFRE infrastructure funds, UniBZ: 1.178.214,30€ Hannes Schuler (PI), Simon Unterholzner, Luigimaria Borruso, Tanja Mimmo (coPIs)
2025 – 2028	Unraveling the Evolutionary Impact of Endosymbionts in <i>Metamasius</i> weevils, Seal of excellence procinve of Bozen-Bolzano, UniBZ: 209,000€ Luciano Palmieri (PI), Hannes Schuler (co-PI/host)
2025 – 2028	Dynamics of symbiont evolution across the psyllid tree of life (SymPToL), Joint projects DFG-Province BZ, 600,000€ Hannes Schuler (PI), Michael Gerth Martin Luther University Halle-Wittenberg, Germany (PI), Martin Kaltenpoth, Max Planck Institute for Chemical Ecology, Jena, Germany (co-PI), Liliya Serbina, Museum für Naturkunde Berlin, Germany (co-PI); Collaboration partners: Diana Percy, University of British Columbia, Canada, Allison Hansen, University of California Riverside, USA, Jessica Dittmer, Université d'Angers, Institut Agro, INRAE, France, Daniel Burckhardt, Naturhistorisches Museum Basel, Switzerland
2025 – 2028	Implications of regional differences and climate change on the apple-psyllid-phytoplasma pathosystem (VectoRise), Joint projects Luxembourg-Province BZ, 1.172.934€, UniBZ: 300,000€ Hannes Schuler (PI), Michael Eickermann, Luxembourg Institute of Science & Technology, Luxembourg (PI), Wolfgang Jarausch, RLP AgroScience GmbH, Germany (collaboration partner)
2025 – 2027	Innovative Pest Sustainable control to reduce the impact of bark beetle and weevil attacks on alpine forests (IPS), Interreg IT-AT, total: 700,000€, UniBZ: 159,000€ Rigoni di Asiago S.L.R. (PI), Andrea Battisti, University of Padova (co-PI), Martin Schebeck, Boku University (co-PI), Hannes Schuler (co-PI)
2023 – 2024	Digital Droplet PCR – a highly sensitive quantitative PCR approach for agricultural, environmental and food research, Call for infrastructure projects, Free University of Bozen-Bolzano Hannes Schuler (PI), Raffaella di Cagno, Luigimaria Borruso, Youry Pii, 79,557€
2023 – 2026	Ways to control the spruce bark beetle (<i>Controllps</i>), Province of Bozen-Bolzano – 300,000€ Hannes Schuler (PI), Tanja Mimmo, Ruth Sonnenschein, Claudia Notarnicola, Abraham Mejia Aguilar, Roberto Monsorno, Marco Mina (EURAC)
2023 – 2025	Decoupling a long-term relationship between the olive fly and its symbiont for pest control (EndOfsymb), Progetti di Rilevante Interesse Nazionale (PRIN) 2022 – 243,000€ Hannes Schuler (PI), Free University of Bozen-Bolzano, Italy; Luca Mazzon (coPI) University of Padova

2021 – 2023	The microbial community of pear psyllids and its influence on phytoplasma transmission (MiCoPePsy) – Mobility Fonds Province of Bolzano – 122,607€ Liliya Serbina (PI) Masaryk University, Brno, Czech Republic; Hannes Schuler (coPI), Free University of Bozen-Bolzano, Italy;
2021 – 2022	Verbreitungsdynamik und Populationsentwicklung des Buchdruckers in den Dolomiten; Distribuzione e dinamica di popolazione del bostrico tipografo nelle Dolomiti – Interreg V-A Italy-Austria 2014-2020 CLLD Dolomiti Live – 117,000€ Hannes Schuler (PI), Christian Stauffer, Martin Schebeck, Boku, Austria, Massimo Faccoli, Andrea Battisti, University of Padova co-PI's
2020 – 2023	Population genomics of factors influencing Phytoplasma transmission (FIGHToplasma) – Joint Projects FWF-Province BZ – 592,000€, UniBZ: 300,000€ Hannes Schuler (PI) 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
2020 – 2023	International information exchange in agriculture – Erasmus+ – 60,000€ PI: Klaus Büchel (PI) Vereinigung Bäuerlicher Organisationen, Liechtenstein; Stefan Simma (coPI), Landwirtschaftskammer Vorarlberg, Austria; Hannes Schuler (coPI), Free University of Bozen-Bolzano, Italy
2020 – 2022	Die Rolle von Bakterien und Pilzen in der Verbreitungsdynamik des Buchdruckers in den Dolomiten – Ruolo di batteri e funghi simbionti nella dinamica di diffusione del bostrico tipografo nelle Dolomiti (DolomIps) – Interreg V-A Italy-Austria 2014-2020 CLLD Dolomiti Live – 50,000€ Hannes Schuler (PI), Christian Stauffer, Martin Schebeck University of Natural Resources and applied life Sciences, Boku, Austria (co-PIs), Massimo Faccoli, Andrea Battisti, University of Padova (co-PIs)
2019 – 2022	The Endosymbiont Community of Insect Vectors associated with two Grapevine Yellow Pathosystems (EGYPt) – UniBZ Internal research funds – 13,500 € Hannes Schuler (PI), collaboration partners: Paola Riolo, Università Politecnica delle Marche; Stefanie Fischnaller, Research Centre Laimburg; Ilaria Negri, Università Cattolica del Sacro Cuore
2018 – 2022	Interspecific horizontal <i>Wolbachia</i> transmission in action, Austrian Science Fund (FWF) – 308,000 € Hannes Schuler (PI), collaboration partners: 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 € Hannes Schuler (PI)
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 € Hannes Schuler (PI)
2012	<i>Wolbachia</i> communities in different host races of <i>Rhagoletis pomonella</i> , Travel Grant of the European Science Foundation – 1,500 €

Research projects as collaboration partner

2025 – 2028	Smaller (strategic) Universities Network for Regional Innovation and Sustainable Evolution (SUNRISE), total: 14 M€, unibz: 1.6 M€ Network with 9 European partners. H. Schuler: WP4 task co-leader.
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2025 – 2026	Accelerating Bioagriculture: HPC Solutions for Critical Data Processing Challenges, Call for infrastructure projects, Free University of Bozen-Bolzano, 84.180€ Luigimaria Borruso (PI), Hannes Schuler, Lorenzo Brusetti (coPI)
2024 – 2026	Strengthening phytosanitary research programming and collaboration: From European to global phytosanitary research coordination (Euphresco III), 49,000€ Tanja Mimmo (PI), Hannes Schuler (collaboration partner) in collaboration with 38 international partners
2022 – 2026	Dynamics of <i>Wolbachia</i> spread in <i>Rhagoletis cerasi</i> , Austrian Science Fund (FWF) – 700,000 € Christian Stauffer University of Natural Resources and applied life Sciences, Boku, Austria (PI), collaboration partners: Nicolas Barton, IST Austria; Markus Riegler, University of Western Sydney, Australia; Hannes Schuler, Free University of Bozen-Bolzano, Italy; Michael Turelli, UC Davis, USA

PhD scholarship agreements

2025	Erisosoma PhD, 2026-09-alpoma, Alpoma
2025	50% PhD scholarship project host-parasitoid interaction of parasitic wasps in stinkbugs
2023	PNRR DM 117/2023 co-financed by Research Centre Laimburg
2023	PNRR DM 117/2023 co-financed by Research Centre Laimburg
2021	PON “Ricerca e Innovazione” co-financed by Research Centre Laimburg

Editorial activities

2025 – today	Associate Editor, Agricultural and Forest Entomology
2021 – today	Editor, Communications Biology
2021 – today	Scientific Advisory Board, Journal of Applied Entomology
2019 – 2023	Insects; Topic Editor
2020 – 2021	Special Issue Editor, Insects; Insect Symbionts: Evolution and Application

Reviewer for funding organization

2024	Federal Public Service Health, Food Chain Safety and Environment, Belgium
2022	ERC, European Research Council, starting grant
2022	Agency for Renewable Resources, Germany
2021	National Research, Development and Innovation Office, Hungary
2020	ISF, Israel Science Foundation
2013	OTKA, Hungarian Scientific Research Fund
2018	GACR, Czech Science Foundation

Peer review activities

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

Memberships

2025 – today	Royal Entomological Society
2021 – today	International Organisation for Biological Control (IOBC-WPRS)
2020 – today	German Phytomedicine Society

2018 – today	Italian Society of Entomology
2016 – today	German Society of General and Applied Entomology
2015 – today	Entomological Society of America
2011 – 2023	Gregor Mendel Society Vienna
2010 – 2025	Network of Biological Systematics Austria

Most important cooperation partners

Jeffrey L. Feder, University of Notre Dame (USA)
 Christian Stauffer, Boku Vienna (Austria)
 Martin Kaltenpoth, Max Planck Institute for Chemical Ecology, Jena (Germany)
 Michael Gerth, at Martin Luther University of Halle-Wittenberg (Germany)
 Lisa Klasson, Uppsala University (Sweden)
 Daniel Bruzese, Yale University (USA)
 Scott P Egan, Rice University (USA)
 James R Ott, Texas State University (USA)
 Glen R Hood, Wayne State University (USA)
 Gregory J Ragland, University of Colorado (USA)
 Wee Yee, United States Department of Agriculture (USA)
 Coralie Bertheau, Université de Bourgogne Franche-Comté (France)
 Andrea Battisti, University of Padova (Italy)
 Massimo Faccoli, University of Padova (Italy)
 Elena Gonella, Università degli Studi di Torino (Italy)
 Katrin Janik, Laimburg Research Centre (Italy)
 Stefanie Fischnaller, Laimburg Research Centre (Italy)
 Martina Falagiarda, Laimburg Research Centre (Italy)

Outreach

Filmvorstellung “Intelligenz in der Landwirtschaft. Gegen den Hunger in der Welt und Diskussion mit Univ. Prof. Hannes Schuler”. Weltladen Latsch, Kulturforum Latsch, 21.11.2025
 Freunde und Feinde des Buchdruckers – Presentation for the event *Geht dem Buchdrucker die Puste aus?* Event of the Forstinspektorat Welsberg for lokal foresters, Welsberg, 23.10.2025.
 Organization of the course “Scientific writing” for the event “Level up, the NOI Training programme”, NOI Techpark, Bozen, 15.09.-19.09.2025
 Organization of a course about insects for the Kindergarten Plaus, 06.06.2025
 Participation at the panel discussion „40 Jahre Oberschule für Landwirtschaft“, organized by Oberschule für Landwirtschaft Auer, 21.05.2025
 Presentation of the new faculty for high school teachers of the Landwirtschaftliche Oberschule Auer, Bozen, 14.05.2025
 Organization of a course about insects at the Grade school in Tisens, 13.05.2025
 Presentation „Invasive species - A threat to South Tyrolean agriculture and forestry“, Oberschule für Landwirtschaft Auer, Bozen, 12.03.2025
 Seminar “Pflanzenschutz – Pflanzen schützen“, Realgymnasium „Albert Einstein“ Meran, 25.03.2025
 Collaboration with the High School Project “Mathematik Modellierungswoche” - Schädling im Wandel: Borkenkäferentwicklung unter Klimaveränderung, 16.03.-21.03.2025
 Presentation Rendezvous mit dem Traumberuf, Free University of Bozen-Bolzano, 21.10.2024
 Presentation of the project “Genetische Charakterisierung des Weißdornblattsaugers in Europa” for the event “Pressekonferenz des Agrar- und Forstbericht” in Bozen, 09.08.2024

Participation at the panel discussion „Unsere Bergwälder sind geschädigt – wie können wir sie erhalten?“ in Welschnofen, 13.05.2024

2-day training for high school teachers of the MNG Rämibühl (CH) about the topic “Agriculture in South Tyrol and the importance of plant protection in a changing world”, 23.-24.05.2024

Presentation of the new faculty for high school teachers of the Landwirtschaftliche Oberschule Auer, Bozen, 29.05.2024

Presentation „Invasive species - A threat to South Tyrolean agriculture and forestry“, Seminar for the PhD students of the Free University of Bozen-Bolzano, Bozen, 15.05.2024

Presentation of the new faculty for high school teachers of the Fachhochschule Kortsch, Kortsch, 07.05.2024

Presentation of my research projects for members of the “Absolventenverein Landwirtschaftlicher Schulen”, Bozen, 06.05.2024

Presentation „Invasive species - A threat to South Tyrolean agriculture and forestry“, Oberschule für Landwirtschaft Auer, Bozen, 05.03.2024

Participation at the panel discussion „Borkenkäfer: Problematik und Ausblick“, organized by the Südtiroler Bauernbund at the Agrialp Bozen, 24.11.2023

Presentation of the project “Controlips” for the association Genossenschaft Südtiroler Sägewerker Gen.m.b.H., Haus des Handwerks, Bozen, 22.11.2023

Presentation Rendezvous mit dem Traumberuf, Free University of Bozen-Bolzano, 18.10.2023

Participation at the panel discussion „Neue Gentechnik: Eine Lösung für alles?“, organized by Bioland Südtirol, Stanglerhof Völs, 01.10.2023

Invasive Schädlinge, eine neue Gefahr für die Südtiroler Land- und Forstwirtschaft, Fachoberschule für Obst- Wein und Gartenbau Laimburg, 13.03.2023

Course guidance service for the high school senior classes at the Oberschule für Landwirtschaft, Auer: Presentation about my research, 25.01.2023

Course “The art of academic writing”, course for researcher at the Research Centre Laimburg, 25.11. and 16.12.2022

Organization of a course about insects at the Kinderuni, 31.08.2022

Seminar „Invasive Schädlinge, eine neue Gefahr für die Südtiroler Land- und Forstwirtschaft“, Realgymnasium „Albert Einstein“ Meran, 31.03.2022

Seminar series (3 units) at the Radio Uni, Rai Südtirol with the topic “Plant protection – protection of plants?”. 19.02.-05.03.2022.

Course guidance service for the high school senior classes at the Oberschule für Landwirtschaft, Auer: Presentation about my research, 15.11.2021

Pflanzen schützen? Seminar about plant protection, Wirtschaftsfachoberschule "Franz Kafka" Meran, 25.03.2021

Presentation of the Project Population genomics of factors influencing Phytoplasma transmission, Südtiroler Beratungsring für Obst- und Weinbau, 08.03.2021

Course guidance service for the high school senior classes at the Oberschule für Landwirtschaft, Auer: Presentation about my research, 16.01.2020

Organization of a student excursion for Oberschule für Landwirtschaft at the UniBZ: Presentation about my research and guided tour through the laboratories, 21.03.2019

Seminar series (3 units) at the Radio Uni, Rai Südtirol with the topic “Invasive species, a new challenge for the future agriculture and forestry in South Tyrol”. 22.10-11.11.2019

Participation Out of the Lab: (Un)erwünschte Mitbewohner: Wie Bakterien Insekten kontrollieren. Noi Techpark, Bozen, Italy – Invited talk.

Publications

Book chapters

- Enciso Garcia JS, Chignola M, Ragionieri L, Rey F, Fluch M, Borruso L, Corretto E, **Schuler H** 2025 High-Throughput Amplicon Sequencing for Analyzing Microbial Communities of Insects. In: Bonizzoni, M., Ometto, L. (eds) *Insect Genomics. Methods in Molecular Biology*, vol 2935. Humana, New York, NY.
- Feder JL, Hood GR, Doellman MM, **Schuler H**, Miller LA, Tait C, Glover MM, Meyers PJ 2024 Speciation, Process of. In: *Encyclopedia of Biodiversity (Third Edition)*. *Species*, 622–646.
- Feder JL, Hood GR, Doellman MM, **Schuler H**, Miller A, Tait C, Glover MM, Meyers P 2021 Speciation, Process of. In: *Reference Module in Life Sciences*. Elsevier Press.
- Schuler H**, Unterholzner S 2021 Grüne Gentechnik / Ingegneria genetica green, In: Tappeiner U, Marsoner T, Niedrist G (Hrsg.) *Landwirtschaftsreport zur Nachhaltigkeit Südtirol*. Bozen, Italien: Eurac Research / Rapporto sulla sostenibilità dell'agricoltura - Alto Adige Bolzano, Italia: Eurac Research.
- Oppedisano T, Angeli G, Baldessari M, Barthel D, Dallago G, Fischnaller S, Ioriatti C, Mazzoni V, Mittelberger C, Öttl S, Panassiti B, Pedrazzoli F, Rota-Stabelli O, **Schuler H**, Tedeschi R, Weil T, Anfora G. 2020 Chapter 3 – Insects as vectors of Apple Proliferation Phytoplasma, In: Janik K., Barthel D., Oppedisano T., Anfora G. (editors) *Apple proliferation. A joint review*. Fondazione Edmund Mach, San Michele all'Adige (TN) / Laimburg Research Centre, Ora (BZ), ISBN 9788878430549.
- 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 Pfreder ME (eds.). *Insect Genomics, Methods in Molecular Biology*, Springer-Nature, New York. 1858, pp. 195-212, doi.org/10.1007/978-1-4939-8775-7_14.
- 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.

Pre-prints

- Bruzzese DJ, **Schuler H**, Yee WL, Holzschuh A, Feder JL Rapid evolution of *Wolbachia* in cherry fruit flies, bioRxiv 2025.01.13.632697; doi: <https://doi.org/10.1101/2025.01.13.632697>

SCI publications

- Ragionieri L, Štarhová Serbina L, Corretto E, Howie JM, Cruz F, Alioto TS, Zadra N, Anfora G, Stauffer C, Ometto L, Rota-Stabelli O, **Schuler H** Evolutionary genomics and divergence of *Cacopsylla* species with a special focus on the Apple Proliferation Vectors: *Cacopsylla melanoneura* and *C. picta*, *BMC Genomics*, accepted.
- Calia G, Marguerit S, Zotta Mota AP, Vidal M, **Schuler H**, Miranda Brasileiro AC, Messenberg Guimaraes P, Bottini S 2025 Modelling omics integration with HIVE identifies responding signatures to multifactorial stress in plants, *Plant Physiology*, 199, kiae618.
- Corretto E, Štarhová-Serbina L, Dittmer J, Michalik A, **Schuler H** 2025 Evolutionary dynamics of obligate endosymbiosis in the psyllid genus *Cacopsylla*. *Communications biology*, 8, 1540.
- Enciso Garcia JS, Corretto E, Ragionieri L, Palmieri L, Pérez-López E, Dietrich C, Lombaert E, Janik K, **Schuler H** 2025 Phylogenetic Analysis of *Scaphoideus* Reveals New Insights Into the Invasion History of *Scaphoideus titanus* (Hemiptera, Cicadellidae) in Europe.” *Ecology and Evolution* 15, 8: e71976.
- Štarhová Serbina L, Burckhardt D, Petráková Dušátková L, Queiroz DL, Goldenberg R, **Schuler H**, Percy

- DM, Malenovský I 2025 Deciphering the patterns and timing of diversification of the genus *Melanastera* (Hemiptera: Psylloidea: Liviidae) in the Neotropics, *Molecular Phylogenetics and Evolution*, 208, 108347.
- Fluch M, Corretto E, Grella N, Fischnaller S, Schwembacher S, **Schuler H** 2025 A molecular gut content analysis reveals the feeding behavior of the Brown marmorated stink bug *Halyomorpha halys*, *Entomologia Generalis*, 1-10.
- Fluch M, Corretto E, Fischnaller S & Schuler H 2025 From nature to nurture: Shifts in the gut microbiota of the brown marmorated stink bug under laboratory rearing conditions. *Entomologia Experimentalis et Applicata* 173: 435–441.
- Fluch M, Corretto E, Feldhaar H, **Schuler H** 2024 Seasonal Changes in the Gut Microbiota of *Halyomorpha halys*. *Microbial Ecology* 87, 164, doi:10.1007/s00248-024-02481-1
- Calia G, Porracciolo P, Chen Y, Kozłowski D, **Schuler H**, Cestaro A, Quentin M, Favery B, Danchin EGJ, Bottini S 2024 Identification and characterization of specific motifs in effector proteins of plant parasites using MOnSTER. *Communications Biology*, 12;7(1):850. doi:10.1038/s42003-024-06515-9
- Calia G, Cestaro A, **Schuler H**, Janik K, Donati C, Moser M, Bottini S 2024 Definition of the effector landscape across 13 phytoplasma proteomes with LEAPH and EffectorComb, *NAR Genomics and Bioinformatics*, 6, 3, lqae087, doi:10.1093/nargab/lqae087
- Enciso JS, Corretto E, Borruso L, **Schuler H** 2024 Limited variation in bacterial communities of *Scaphoideus titanus* (Hemiptera: Cicadellidae) across European populations and different life stages. *Insects*, 15(11):830, doi:10.3390/insects15110830
- Fluch M, Chignola M, Corretto E, Wolf M, Fischnaller S, Borruso L, **Schuler H** 2024 What's on the menu? A novel molecular gut content analysis to investigate the feeding behavior of phytophagous insects. *Ecology and Evolution*, 24, 14(9):e70071, doi: 10.1002/ece3.70071
- Lečić S*, Wolfe T*, Ghosh A, Satar S, Souza Beraldo C, Smith E, Dombroskie J, Jernigan E, Hood G*, **Schuler H***, Stauffer C* 2024 Spatially Varying *Wolbachia* Frequencies Reveal the Invasion Origin of an Agricultural Pest Recently Introduced From Europe to North America. *Evolutionary Applications*, 17, e70016. doi:10.1111/eva.70016
- *equally contributing first and equally contributing last authors, respectively
- Pramatarova M, Burckhardt D, Malenovský I, Gjonov I, **Schuler H**, Štarhová Serbina L 2024 Unravelling the Molecular Identity of Bulgarian Jumping Plant Lice of the Family Aphalaridae (Hemiptera: Psylloidea). *Insects*, 15, 9, 683, doi:10.3390/insects15090683
- Moussa A, Nones S, Vannucchi PE, Shahzad GR, Dittmer J, Corretto E, Schebeck M, Faccoli M, Battisti A, Stauffer C, **Schuler H** 2024 The bacterial community of the European spruce bark beetle in space and time. *Entomologia Generalis*, 1, 44, 211-222, doi:10.1127/entomologia/2023/2114
- Papek E, Fuchs R, Bertheau C, Battisti A, Faccoli M, **Schuler H**, Stauffer C, Schebeck M 2024 Pleistocene events and ongoing population outbreaks affect the genetic structure of the Eurasian spruce bark beetle *Ips typographus* in the Southern Alps and the Apennines. *Bulletin of Insectology*, 77, 1, 7-15
- Corretto E, Trenti M, Štarhová Serbina L, Howie JM, Dittmer J, Kerschbamer C, Candian V, Tedeschi R, Janik K, **Schuler H** 2024 Multiple factors driving the acquisition efficiency of apple proliferation phytoplasma in *Cacopsylla melanoneura*, *Journal of Pest Science*, 97:1299–1314, doi: 10.1007/s10340-023-01699-1.
- Štarhová Serbina L, Corretto E, Enciso Garcia JS, Berta M, Giovanelli T, Dittmer J, **Schuler H** 2023 Seasonal wild dance of dual endosymbionts in the pear psyllid *Cacopsylla pyricola* (Hemiptera: Psylloidea), *Scientific Reports*, 13, 16038, doi:10.1038/s41598-023-43130-w
- Dittmer J, Corretto E, Štarhová-Serbina L, Michalik A, Nováková E, **Schuler H** 2023 Division of labor within psyllids: metagenomics reveals an ancient dual endosymbiosis with metabolic complementarity in the genus *Cacopsylla*, *mSystems*, 8, 5,e00578-23, doi: 10.1128/msystems.00578-23.
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Štarhová Serbina L, Gajski D, Malenovský I, Pekar S, **Schuler H***, Dittmer J* 2022 *Wolbachia* infection dynamics in a natural population of the pear psyllid *Cacopsylla pyri* (Hemiptera: Psylloidea) across its seasonal generations, *Scientific Reports*, 12:16502, doi:10.1038/s41598-022-20968-0.

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Wolfe TM, Hembach S, Petrašiūnas A, Juzėnas S, Stauffer C, Feder JL, **Schuler H** 2022 First report of the American eastern cherry fruit fly *Rhagoletis cingulata* (Loew) (Diptera: Tephritidae) in Lithuania. *BioInvasions records* 11, 1-7

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- 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*, 22.
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Articles in professional Journals

- Fluch M, Corretto E, Schuler H, Fischnaller S, Schwembacher 2025 Untersuchungen der Nahrungsquellen der Marmorierten Baumwanze, 6, 19-21.
- Galtarossa L, Pedroncelli A, Fine A, Janik K, Trenti M, Moser M, Corretto E, Schuler H 2025 Mittel gegen Goldgelbe Vergilbung und Apfeltriebsucht aus der Pflanze?, *Obstbau*Weinbau*, 5, 20-21.
- Rau V, Schebeck M, Stauffer C, Schuler H 2024 Freunde und Feinde des Buchdruckers, *Waldverband aktuell*, 7, 10-11.
- Corretto E, Ragionieri L, Schuler H 2024 Genetische Charakterisierung des Weißdornblattsaugers in Europa, *Agrar- und Forstbericht* 2023, 157-159.
- Corretto E, Janik K, Schuler H 2024 Die Rolle des Weißdornblattsaugers bei der Übertragung der Apfeltriebsucht, *Obstbau*Weinbau*, 2, 11-15.
- Pitzus E, Janik K, Fischnaller S, Tedeschi R, Schuler H, Österreicher J 2024 Apfeltriebsucht – Sonderfall Eisacktal? *Obstbau*Weinbau*, 2, 16-18.
- Spitaler U, Chignola M, Schuler H 2024 Schutz gegen die Marillenblattlaus, *Südtiroler Landwirt* 78 (7), 43-44
- Schuler H, Unterholzner S 2023 Was für die neue Gentechnik spricht, *Südtiroler Landwirt*, 20, 47-47
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- Schuler H**, Elsler D, Fischnaller S 2020 Genetische Diversität, Herkunft und Verbreitung der Marmorierten Baumwanze in Südtirol. *Obstbau*Weinbau*, 11, 24-29
- Schuler H** 2017 Fruchtfliegen, alte Bekannte oder neue Gefahr für Südtirol? *Obstbau*Weinbau*, 10, 5-9.

Presentations for the public community

- Schuler H** 2025 Alternative Ansätze zur Schädlingsbekämpfung, Weltladen Latsch – Invited talk.
- Schuler H** 2025 Freunde und Feinde des Buchdruckers. Tagung des Forstinspektorats Welsberg zum Thema „Geht dem Borkenkäfer die Puste aus?“, Welsberg – Invited talk.
- Schuler H** 2025 Plant health, Rethinking OneHealth as a future innovation ecosystem. Forum Alpbach hike – Invited talk.
- Schuler H** 2025 Rolle des Weißdornblattsaugers in der Übertragung der Apfeltriebsucht, Informationstag für Mitarbeiter des Research Centre Laimburg – Invited talk.
- Schuler H** 2025 Genetische Charakterisierung der Amerikanischen Rebzikade, Flavescence dorée - Forschung und Prävention, Research Centre Laimburg – Invited talk.
- Schuler H** 2025 Die Rolle des Weißdornblattsaugers in der Übertragung der Apfeltriebsucht, Obstbauseminar, Ritten – Invited talk.
- Schuler H** 2025 Untersuchungen zur Rolle des Weißdornblattsauger bei der Apfeltriebsucht-Übertragung, Bio-Obstbautagung, Latsch – Invited talk.
- Schuler H** 2024 Schädlinge unter der Lupe: Genetische Ansätze zur Erforschung von Schädlingen im Obst- und Weinbau, Boku University – Invited talk.
- Schuler H** 2024 Versteckte Freunde und Feinde und deren Auswirkung auf die Entwicklungsdynamik des Buchdruckers, Waldgipfel „Grenzen überschreitende Strategien zur Sicherung unserer Wälder“, Obertilliach, Austria – Invited talk.
- Schuler H** 2023 Insekten und deren Mikroorganismen – Geschichten von Symbiosen mit Dr. Jekyll und Mr. Hyde, Vortragsreihe Plattform Biodiversität, Naturmuseum Bozen – Invited talk.
- Schuler H** 2022 Population genomics of factors influencing phytoplasma transmission. Series of Lectures, Laimburg, Italy – Invited talk.
- Schuler H** 2022 Bedeutung von Mikroorganismen in der Entwicklung und Verbreitung des Buchdruckers, Der Borkenkäfer zwischen Ökologie und Praxis - vom Stand der Wissenschaft zur nachhaltigen Entwicklung, Bozen, Italy – Invited talk.
- Schuler H** 2021 Auch Insekten haben eine Darmflora – Spannende Geschichten zu Symbiose, Konkurrenz und Manipulation zwischen Insekten und Mikroorganismen. Naturmuseum Bozen-Bolzano – Invited talk.
- 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.

Congress contributions

Invited talks

- Schuler H** 2024 Diversity and role of bacteria in the ecology of *Ips typographus*, First international workshop on Norway spruce– bark beetle interactions, San Vito di Cadore – Invited talk.
- Schuler H** 2024 Dynamic duos: The evolutionary dance of insect symbionts, Max Planck Institute for Chemical Ecology Institute Seminars, Jena, Germany – Invited talk.
- Schuler H** 2024 The bacterial community of the European spruce bark beetle in space and time, FRIAS Conference BBMicroNet – Exploring the Microbial Symbiont Network of Bark Beetles in a Changing Climate, Freiburg, Germany – Invited talk.

- Schuler H** 2023 Invasion dynamics of *Wolbachia* in cherry fruit flies, XII European Congress of Entomology, Greece – Keynote talk.
- Schuler H** 2021 The role of bacteria and fungi in the population dynamics of the European spruce bark beetle. Pre-COP26 conference “Towards climate-smart Alpine forests”, Milan, Italy – 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

- Bortolini S, Christandl V, Fluch M, Stauffer C, Falagiarda M, Schmidt S, Schuler H 2025 Who is hiding? Molecular identification of parasitic wasps from closed stink bugs eggs. XXVIII Congresso Nazionale Italiano di Entomologia, Siena – Poster.
- Chignola M, Spitaler U, Schuler H 2025 Insights into the biology of the new invasive apricot aphid *Myzus mumecola*. XXVIII Congresso Nazionale Italiano di Entomologia, Siena – Talk.
- Corretto E, Štarhová Serbina L, Dittmer J, Michalik A, Schuler H 2025 Time to move on? Evolutionary dynamics of obligate endosymbiosis in the psyllid genus *Cacopsylla*. XXVIII Congresso Nazionale Italiano di Entomologia, Siena – Talk.
- Li Y, Corretto E, Štarhová Serbina L, Gerth M, Kaltenpoth M, Schuler H 2025 Dynamics of symbiont evolution across the psyllid tree of life. XXVIII Congresso Nazionale Italiano di Entomologia, Siena – Poster.
- Li Y, Corretto E, Palmieri L, Martinez-Sañudo I, Mazzon L, Schuler H 2025 Exploring geographic genetic diversity and co-evolution of the olive fly *Bactrocera oleae* and its endosymbiont *Erwinia dacicola*. XXVIII Congresso Nazionale Italiano di Entomologia, Siena – Talk.
- Maretto L, Carofano I, Falasco M, Martinez-Sañudo I, Schuler H, Mazzon L, 2025 Bacterial community shifts in the olive fly *Bactrocera oleae* following antimicrobial treatment of infested olives. XXVIII Congresso Nazionale Italiano di Entomologia, Siena – Talk.
- Ragionieri L, Corretto E, Serbina L, Stauffer C, Schuler H 2025 Unraveling host-specific genetic divergence in *Cacopsylla melanoneura* (Hemiptera, Psylloidea, Psyllidae). XXVIII Congresso Nazionale Italiano di Entomologia, Siena – Talk.
- Rau V, Schuler H 2025 The nematode diversity in *Ips typographus* during an ongoing outbreak in South Tyrol. IUFRO Forests' Future 2025 Bark Beetle Outbreak in Central Europe – Consequences and Future Challenges, Průhonice (CZ) – Talk.
- Rau V, Schuler H 2025 The nematode community of *Ips typographus* during a mass outbreak event. XXVIII Congresso Nazionale Italiano di Entomologia, Siena – Talk.
- Bortolini S, Christandl V, Fluch M, Stauffer C, Falagiarda M, Schmidt S, Schuler H 2025 Who's there? Identification of parasitic wasps from closed stink bugs eggs Entomology Congress of the German Society of general and applied Entomology 2025, Geisenheim, Germany – Poster.
- Chignola M, Spitaler U, Schuler H 2025 Insights into the biology of the newly invasive apricot aphid *Myzus mumecola*. Entomology Congress of the German Society of general and applied Entomology 2025, Geisenheim, Germany – Poster.
- Rau V, Schuler H 2025 The nematode community of *Ips typographus* during an ongoing outbreak. Entomology Congress of the German Society of general and applied Entomology 2025, Geisenheim, Germany – Talk.
- Li Y, Corretto E, Palmieri L, Martinez-Sañudo I, Mazzon L, Schuler H 2025 Exploring geographic genetic diversity and co-evolution of the olive fly *Bactrocera oleae* and its endosymbiont *Candidatus Erwinia*

- dacicola. Entomology Congress of the German Society of general and applied Entomology 2025, Geisenheim, Germany – Poster
- Palmieri L, Li Y, Nadachowska K, Dowle EJ, Ragland GJ, Schopf A, Stauffer C, Schuler H, Schebeck M 2025 Harnessing Genomics and Machine Learning to Uncover Diapause Mechanisms and Predict Outbreak Risks in *Ips typographus*. Entomology Congress of the German Society of general and applied Entomology 2025, Geisenheim, Germany – Talk.
- Schuler H, Corretto E, Štarhová Serbina L, Dittmer J, Michalik A 2025 Keep or lose? Evolutionary dynamics of obligate endosymbiosis in the psyllid genus *Cacopsylla*. Entomology Congress of the German Society of general and applied Entomology 2025, Geisenheim, Germany – Talk.
- Stauch J, Fiaschi L, Schebeck M, Schuler H, Lecic S, Stauffer C 2025 The spread of the *Wolbachia* strain *wCer2* in *Rhagoletis cerasi* in the Czech Republic. Entomology Congress of the German Society of general and applied Entomology 2025, Geisenheim, Germany – Talk.
- Ragionieri L, Corretto E, Serbina L, Stauffer C, Schuler H 2025 Unraveling Host-Specific Genetic Divergence in *Cacopsylla melanoneura* (Hemiptera, Psylloidea, Psyllidae). Entomology Congress of the German Society of general and applied Entomology 2025, Geisenheim, Germany – Talk.
- Ragionieri L, Enciso Garcia JS, Corretto E, Schuler H 2024 Population genomics and invasion history of a Nearctic Leafhopper in Europe *Scaphoideus titanus*. Bolzano, Euregio Biodiversity Research Conference (EuBiReCo) 2024. Bolzano – Talk.
- Rau V, Schuler H The nematode community of the spruce bark beetle in South Tyrol, Euregio Biodiversity Research Conference (EuBiReCo) 2024. Bolzano – Talk.
- Palmieri L, Schebeck M, Schuler H 2024 The Role of Genetic Polymorphisms in Diapause of *Ips typographus*. 25th at the online Weevil Workers Meeting – Talk.
- Chignola M, Spittaler U, Schuler H 2024 Unraveling the biology of the invasive apricot aphid (*Myzus mumecola*), Euregio Biodiversity Research Conference (EuBiReCo) 2024. Bolzano – Poster.
- Rey F, Öttl S, Schuler H 2024 On the composition of the apple's Sooty Blotch's pathobiome, Euregio Biodiversity Research Conference (EuBiReCo) 2024. Bolzano – Poster.
- Rey F, Öttl S, Schuler H 2024 Antagonist and cooperative microbial species in the apple microbiome, XXIX Congress of the Italian Phytopathological Society, Trento, Italy – Poster
- Ragionieri L, Enciso Garcia JS, Corretto E, Lombaert E, Klopp C, Urso I, Buonanno S, Gissi C, Arpellino A, Alma A, Gonella E, Foissac X, **Schuler H** 2024 Population genomics and invasion history of a Nearctic Leafhopper in Europe *Scaphoideus titanus* Biodiversity Genomics 24 Conference. Online – Poster
- Ragionieri L, Corretto E, Stauffer C, Feder J, **Schuler H** 2024 Genetic basis of reproductive host plant preferences in *Cacopsylla melanoneura* (Hemiptera, Psyllidae). Congresso UZI 2024. Pisa, Italy – Talk.
- Enciso JS, Corretto E, Dittmer J, Moussa A, Gonella E, Alma A, **Schuler H** 2023 Bacterial diversity and distribution of core microbiome in *Scaphoideus titanus* (Hemiptera: Cicadellidae), XII European Congress of Entomology, Greece – Talk.
- Fluch M, Corretto E, Fischnaller S, Borruso L. **Schuler H** 2023 What's on the menu? Investigation of the feeding behaviour of the brown marmorated stink bug *Halyomorpha halys* using a molecular gut analysis, XII European Congress of Entomology, Greece – Talk.
- Corretto E, Štarhová Serbina L, Dittmer J, Howie J, Stauffer C, **Schuler H** 2023 Evolutionary history of *Cacopsylla* species and their little helpers: diversity of endosymbionts and their co-evolution, XII European Congress of Entomology, Greece – Talk.
- Wolfe TM, Bruzzese DJ, Klasson L, Corretto E, Lečić S, Stauffer C, Feder JL, Schuler H 2023 The influence of horizontally acquired *Wolbachia* on invasive cherry fruitfly populations: A multi-perspective study, XI *Wolbachia* conference, Greece – Talk.
- Corretto E, Trenti M, Štarhová Serbina L, Howie J, Dittmer J, Kerschbamer C, Candian V, Tedeschi R, Janik K, **Schuler H** 2023 Assessing factors influencing the acquisition efficiency of the apple proliferation phytoplasma in *Cacopsylla melanoneura*, Entomology Congress of the German Society of general and applied Entomology 2023, Bozen-Bolzano, Italy – Talk.

- Dittmer J, Corretto E, Serbina L, Howie J, Stauffer C, **Schuler H** 2023 Diversity and evolution of symbionts in psyllids of the genus *Cacopsylla*, Entomology Congress of the German Society of general and applied Entomology 2023, Bozen-Bolzano, Italy – Talk.
- Enciso JS, Moussa A, Štarhová Serbina L, Corretto E, Gonella E, Alma A, Schuler H 2023 Bacterial diversity and distribution of core microbiome in *Scaphoideus titanus* (Hemiptera: Cicadellidae), Entomology Congress of the German Society of general and applied Entomology, Bozen-Bolzano, Italy – Talk.
- Schuler H**, Dittmer J, Corretto E, Serbina L, Howie JM, Stauffer C 2023 Diversity and evolution of symbionts in psyllids of the genus *Cacopsylla*, Entomology Congress of the German Society of general and applied Entomology 2023, Bozen-Bolzano, Italy – Talk.
- Štarhová Serbina L, Garcia JS, Dittmer J, Berta M, Giovanelli T, Corretto E, **Schuler H** 2023 Seasonal wild dance of dual-obligate symbionts in the pear psyllid *Cacopsylla pyricola* (Hemiptera: Psylloidea), Entomology Congress of the German Society of general and applied Entomology 2023, Bozen-Bolzano, Italy – Talk.
- Stauffer C, Wolfe T, Lecic S, Schebeck M, Bakovic V, Arthofer W, Riegler M, **Schuler H** 2023 Unidirectional incompatibility in the European cherry fruit fly, *Rhagoletis cerasi*: 50 years of research on a *Wolbachia*-insect relationship, Entomology Congress of the German Society of general and applied Entomology 2023, Bozen-Bolzano, Italy – Talk.
- Calia G, Porracciolo P, Kozłowski D, Danchin EGJ, Donati C, **Schuler H**, Moser M, Cestaro A, Bottini S 2023 LEAF: a machine learning approach to predict effector proteins in *Candidatus* Phytoplasma, JOBIM - Les Journées Ouvertes en Biologie, Informatique et Mathématiques – Talk.
- Calia G, Porracciolo P, Kozłowski D, **Schuler H**, Donati C, Cestaro A, Danchin EGJ, Bottini S 2023 MOnSTER: a novel method to identify and score clusters of motifs of protein sequences (CLUMPS) based on amino acids physicochemical properties, Bioinformatics Italian Society Conference (BITS) – Poster.
- Calia G, Kozłowski D, Danchin EGJ, **Schuler H**, Donati C, Moser M, Cestaro A, Bottini S 2023 LEAF: a machine learning approach to predict effector proteins in *Candidatus* Phytoplasma, Bioinformatics Italian Society Conference (BITS) – Poster.
- Calia G, Cestaro A, **Schuler H**, Janik K, Donati C, Moser M, Bottini S 2023 LEAF: a machine learning approach to predict effector proteins in *Candidatus* Phytoplasma, GT LEGO (GDR BIM) Machine Learning for genomics - Research Day 2023, Paris, France – Poster.
- Fluch M, Corretto E, Fischnaller S, Borruso L. **Schuler H** 2023 Using a molecular gut analysis to reconstruct the feeding behavior of the brown marmorated stink bug *Halyomorpha halys* in South Tyrol, Entomology Congress of the German Society of general and applied Entomology – Poster
- Papek E, Stauffer C, Battisti A, Faccoli M, **Schuler H**, Bertheau C, Schebeck M 2023 Small-scale population genetic structure of the spruce bark beetle *Ips typographus* in the Southern Alps, Entomology Congress of the German Society of general and applied Entomology – Poster.
- Corretto E, Serbina L, Dittmer J, Howie JM, Stauffer C, **Schuler H** 2023 Diversity of symbionts in *Cacopsylla* species and their co-evolution history with its hosts, The cellular mechanics of symbiosis, EMBO/EMBL Heidelberg, Germany – Poster.
- Enciso J, Corretto E, **Schuler H** 2023 Unveiling the interaction of the leafhopper *Scaphoideus titanus* (Hemiptera: Cicadellidae) with its endosymbionts, *Sulcia* and *Cardinium*. The cellular mechanics of symbiosis, EMBO/EMBL Heidelberg, Germany – Poster.
- Serbina L, Garcia JS, Dittmer J, Berta M, Giovanelli T, Corretto E, **Schuler H** 2023 Seasonal wild dance of dual-obligate symbionts in the pear psyllid *Cacopsylla pyricola* (Hemiptera: Psylloidea): symbiont titers tell different stories. The cellular mechanics of symbiosis, EMBO/EMBL Heidelberg, Germany – Poster. Awarded with the best poster award.
- Bruzzese DJ, Wolfe TM, **Schuler H**, Yee WL, Rull J, Aluja M, Goughnour RB, Hood GR, Stauffer C, Feder JL 2022 Hidden structural diversity within a *Wolbachia* strain infecting cherry-infesting *Rhagoletis* (Diptera: Tephritidae) flies across North America, Evolution 2022, Cleveland OH – Talk.

- Bruzzese DJ, Wolfe TM, **Schuler H**, Yee WL, Rull J, Aluja M, Goughnour RB, Hood GR, Stauffer C, Feder JL 2022 Hidden structural diversity within a *Wolbachia* strain infecting cherry-infesting *Rhagoletis* (Diptera: Tephritidae) flies across North America, Arthropod Genomics Symposium 2022, USA – Poster.
- Corretto E, Štarhová Serbina L, Dittmer J, Howie JM, Stauffer C, **Schuler H** 2022 Diversity of symbionts in psyllids of the genus *Cacopsylla* and their co-divergence with its hosts. Congress of the European society for Evolutionary Biology, Prague, Czech Republic – Poster.
- Enciso JS, Moussa A, Serbina LS, Corretto E, **Schuler H** 2022 Microbiome composition of major endosymbionts in *Scaphoideus titanus* Ball, 1932 across northern Italy, 1st Applied Hologenomics Conference, Bilbao, Spain – Poster.
- Enciso JS, Moussa A, Serbina LS, Corretto E, Gonella E, Alma A, **Schuler H** 2022 Microbiome composition of major endosymbionts in *Scaphoideus titanus* (Hemiptera: Deltocephalinae) 13th Annual meeting of the European PhD Network in “Insect Science”, Florence, Italy – Talk.
- Fluch M, Corretto E, Fischnaller S, **Schuler H** 2022 Molecular assessment of the feeding behavior of the brown marmorated stink bug *Halymorpha halys*, III Convegno AISSA#UNDER40, Bolzano, Italy – Poster.
- Fluch M, Corretto E, Fischnaller S, **Schuler H** 2022 Molecular gut analyses to assess the feeding behavior of the brown marmorated stink bug *Halymorpha halys* in South Tyrol, 12th Zoological and botanical research in South Tyrol, Bolzano, Italy – Talk.
- Fluch M, Corretto E, Fischnaller S, Borrusso L, **Schuler H** 2022 Reconstruction of the feeding behavior of the brown marmorated stink bug *Halymorpha halys* via molecular gut analysis, European PhD Network “Insect Science” – XIII Annual Meeting, Florence, Italy – Talk.
- Fluch M, Corretto E, Fischnaller S, Borrusso L, **Schuler H** 2022 Investigations on the feeding behavior of the brown marmorated stink bug *Halymorpha halys* in South Tyrol using a novel metabarcoding approach, Tage der Biodiversität 2022, ABOL Meeting, St. Pölten, Austria – Talk.
- Howie JM, Corretto E, Štarhová Serbina L, Dittmer J, Ometto L, Rota-Stabelli O, Stauffer C, **Schuler H** 2022 Population genomics and phylogenetics of phytoplasma transmissibility by psyllids and their coevolving endosymbionts, 9th SIBE conference, Ancona – Talk.
- Howie JM, Corretto E, Štarhová Serbina L, Dittmer J, Ometto L, Rota-Stabelli O, Stauffer C, **Schuler H** 2022 Population genomics of disease transmissibility by apple psyllids and their coevolving endosymbionts. Congress of the European society for Evolutionary Biology, Prague, Czech Republic – Poster.
- Howie JM, Corretto E, Dittmer J, Serbina L, Ometto L, Rota-Stabelli O, Stauffer C, Schuler, H 2022 Population genomics of disease transmissibility by apple psyllids and their coevolving endosymbionts. ESEB pre-symposium satellite event in evolutionary immunology & symbiosis, Charles University, Prague – Poster.
- Howie JM, Corretto E, Dittmer J, Serbina L, Ometto L, Rota-Stabelli O, Stauffer C, Schuler, H 2022 Population genomics of “Apple Proliferation” disease transmissibility by apple psyllids and their endosymbionts. Arthropod Genomics 2022, Notre Dame, USA – Poster.
- Moussa A, Battisti A, Stauffer C, Shahzad GR, **Schuler H**, Schebeck M, Faccoli M 2022 Role of the microbial community of *Ips typographus* in the outbreak dynamics in the Dolomites. 26th International Congress of Entomology, Helsinki, Finland – Talk
- Moussa A, Schebeck M, Shahzad GR, Battisti A, Faccoli M, Stauffer C, **Schuler H** 2022 Role of the bacterial community in the outbreak dynamics of the European spruce bark beetle *Ips typographus* in Dolomites, III Convegno AISSA#UNDER40, Bolzano, Italy – Talk
- Schuler H**, Schwembacher S, Andriolo A, Battisti A 2022 Invasion und Tilgung des Teezweigbohrers in den Gärten von Schloss Trauttmansdorff, 12th Zoological and botanical research in South Tyrol, Bolzano, Italy – Talk.
- Štarhová Serbina L, Gajski D, Malenovský I, Corretto E, **Schuler H**, Dittmer J 2022 *Wolbachia* infection dynamics across its seasonal generations in a natural population of the pear psyllid *Cacopsylla pyri* (Hemiptera: Psylloidea), 10th International Symbiosis Society Congress, Lyon, France – Poster.

- Štarhová Serbina L, Gajski D, Barbora P, Ludek Z, Malenovský I, Nováková E, **Schuler H**, Dittmer J 2022 Spatio-temporal dynamics in the microbiomes of pear psyllids reveal complex interactions between host biology and its microbial associates, 26th International Congress of Entomology, Helsinki, Finland – Talk.
- Štarhová Serbina L, Gajski D, Malenovský I, Corretto E, **Schuler H**, Dittmer J 2022 *Wolbachia* infection dynamics in a natural population of the pear psyllid *Cacopsylla pyri* (Hemiptera: Psylloidea) across its seasonal generations, 26th International Congress of Entomology, Helsinki, Finland – Poster.
- Štarhová Serbina L, Malenovský I, Petrakova L, Queiroz DL, Percy D, **Schuler H**, Burkhard D Biodiversity and systematics of jumping plant-lice of the subfamily Liviinae (Hemiptera: Psylloidea: Liviidae), 12th Zoological and botanical research in South Tyrol, Bolzano, Italy – Talk.
- Wolfe TM, Bruzzese DJ, Corretto E, Feder JL, Klasson L, Stauffer C, **Schuler H** 2022 Population genetic study of a horizontal *Wolbachia* transfer between a native and an invasive cherry fruit fly. Congress of the European society for Evolutionary Biology, Prague, Czech Republic – Poster.
- Wolfe TM, Bruzzese DJ, Corretto E, Feder JL, Klasson L, Stauffer C, **Schuler H** 2022 Population genetic study of a horizontal *Wolbachia* transmission in action, 10th International Symbiosis Society Congress, Lyon, France – Talk.
- Calia G, Micheletti D, Donati C, Janik K, **Schuler H**, Cestaro A, Moser M 2021 Genome assembly and annotation of eight ‘*Candidatus Phytoplasma mali*’ strains VIII. Incontro Nazionale sui Fitoplasmi e Malattie da Fitoplasmi – Talk.
- Trenti M, Corretto E, Forno F, Mattedi L, Bianchedi PL, Moser M, Kerschbamer C, **Schuler H**, Janik K 2021 Culture dependent analysis of the microbial community associated to phytoplasma recovered apple trees. VIII Incontro Nazionale sui Fitoplasmi e Malattie da Fitoplasmi – Talk.
- Corretto E, Dittmer J, Trenti M, Janik K, Howie JM, Wolfe TM, Tedeschi R, Rota-Stabelli O, Stauffer C, **Schuler H** 2021 Population genomics of factors influencing ‘*Candidatus Phytoplasma mali*’ transmission. VIII Incontro Nazionale sui Fitoplasmi e Malattie da Fitoplasmi – Talk.
- Corretto E, Dittmer J, Trenti M, Howie JM, Serbina L, Tedeschi R, Rota-Stabelli O, Janik K, Stauffer C, **Schuler H** 2021 Einfluss von Insektengenom und Mikrobiom auf die Übertragung von Apfelfriebsucht-Phytoplasmen. 62. Deutsche Pflanzenschutztagung – digital – Talk.
- Corretto E, Dittmer J, Trenti M, Janik K, Howie JM, Wolfe T, Tedeschi R, Rota-Stabelli O, Stauffer C, **Schuler H** 2021 Population genomics of factors influencing phytoplasma transmission. XIII National Italian Congress of Entomology, online – Talk.
- Dittmer J, Corretto E, Howie JM, Stauffer C, **Schuler H** 2021 Long-read genome sequencing of two co-occurring primary endosymbionts in the psyllid *Cacopsylla melanoneura*. XIII National Italian Congress of Entomology, online – Talk.
- Schuler H**, Witkowski R, Hoppe B, Mittelbach M, Bukovinszki T, Vossenberger B, Schwembacher S, Vannucchi PE, Andriolo A, Mazur A, Battisti A 2021 First reports of *Euwallacea fornicatus* in tropical greenhouses in Europe. XIII National Italian Congress of Entomology, online – Talk.
- Wolfe TM, Bruzzese D, Klasson L, Corretto E, Lecic S, Stauffer C, Feder JL, **Schuler H** 2021 *Wolbachia* Infection dynamics in the invasive *Rhagoletis cingulata* in Europe. XIII National Italian Congress of Entomology, online – Talk.
- Wolfe T, Bruzzese D, Klasson L, Corretto E, Lečić S, Stauffer C, Feder JL, **Schuler H** 2021 Revisiting *Wolbachia* diversity between invasive and native *Rhagoletis* cherry fruit flies in the light of comparative genomics. The 54th Population genetics group meeting, a virtual conference, hosted by the University of Liverpool – Talk.
- Borruso L, Genova G, Signorini M, Bani A, **Schuler H**, Brusetti L, Hilpold A, Dumbrell AJ, Cesco S, Mimmo T 2021 Next generation biomonitoring to assess key species and soil parameters determining the biodiversity in agricultural soils, Keep soil alive, protect soil biodiversity: Global Symposium on Soil Biodiversity, Rome – Talk.
- Schebeck M, Bakovic V, **Schuler H**, Stauffer C 2020 *Wolbachia* in der Europäischen Kirschfruchtfliege, *Rhagoletis cerasi* – Dynamik eines bakteriellen Endosymbionten in Raum und Zeit, Kolloquium der Österreichischen Gesellschaft für Entomologie, Wien, Austria – Talk.

- 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 2019 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.
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- 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 it's 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.
- Rasool B, **Schuler H**, Qureshi N, Stauffer C 2014 The Occurrence of the Endosymbiont *Wolbachia* in *Bactrocera dorsalis* in Pakistan. *Entomology 2014 – 62nd Annual Meeting of the Entomological Society of America*, Portland, USA – Talk.
- Schuler H**, Riegler M, Arthofer W, Stauffer C 2013 The impact of the endosymbiont *Wolbachia* on the evolution of *Rhagoletis* fruit flies. *Symposium international entomofaunisticum Europae centralis XXIII*, Bozen/Bolzano, Italy – Talk.
- Schuler H**, Egan SP, Arthofer W, Rull J, Aluja M, Stauffer C, Feder JL 2013 The potential contribution of the endosymbiont *Wolbachia* to speciation-with-gene-flow in *Rhagoletis* fruit flies. *IIth BioSyst. EU meeting*, Vienna, Austria – Talk.
- Schuler H**, Bertheau C, Egan SP, Feder JL, Johannesen J, Riegler M, Köppler K, Schlick-Steiner BC, Steiner FM, Arthofer W, Stauffer C 2012 Recent horizontal transfer of *Wolbachia* between *Rhagoletis cerasi* and the invasive *Rhagoletis cingulata* and its dynamic influence on the new host. *VIIth International Wolbachia Conference*, Oléron, France – Poster.
- Arthofer W, Peschl P, **Schuler H**, Stauffer C, Steiner FM, Schlick-Steiner BC 2012 De novo characterization of *Wolbachia* communities using a combination of high-resolution melting analysis and Sanger sequencing *VIIth International Wolbachia Conference*, Oléron, France – Poster.
- Schuler H**, Arthofer W, Riegler M, Bertheau C, Köppler K, Vogt H, Teixeira LAF, Stauffer C 2011 Multiinfection of *Wolbachia* in two host species of *Rhagoletis pomonella*. *Tagung der Deutschen Gesellschaft für allgemeine und angewandte Entomologie*, Berlin, Germany – Poster.
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- Bertheau C, **Schuler H**, Krumböck S, Arthofer W, Stauffer C 2011 Hit or miss in phylogeographic analyses: the case of the cryptic NUMTs. *Workshop of Genetics of Bark Beetles and Associated Microorganisms*, Sopron, Hungary – Talk.
- Bertheau C, **Schuler H**, Krumböck S, Arthofer W, Stauffer C 2011 Phylogeography of the European spruce bark beetle *Ips typographus* (Coleoptera, Scolytinae). *IUFRO WP.7.03.05 - Ecology and Management of Bark and Wood Boring Insects: Novel risks with bark and wood boring insects in broadleaved and conifer forests*. Sopron, Hungary – Talk.
- Hintsteiner W, Bertheau C, Avtzis DN, Arthofer W, **Schuler H**, Stauffer C 2011 The phylogeographic analysis of a Dinaric and Siberian population from *Pityogenes chalcographus* (Coleoptera, Scolytinae). *Tagung der Deutschen Gesellschaft für allgemeine und angewandte Entomologie*, Berlin, Germany – Poster.
- Riegler M, Morrow JL, Sutton TL, Frommer M, Shearman DCA, Schneider D, Miller WJ, **Schuler H**, Stauffer C, Arthofer W 2011 What can we learn from the *Wolbachia* symbioses of true fruit flies? *Genetic Society of AustralAsia. Annual Conference*, Melbourne, Australia – Talk.
- Schaidreiter R, **Schuler H**, Krumböck S, Stauffer C, Bertheau C 2011 Phylogeographic analysis of palearctic *Ips cembrae* populations. *Workshop of Genetics of Bark Beetles and Associated Microorganisms*, Sopron, Hungary – Talk.
- Stauffer C, **Schuler H** 2011 Molekulare Ökologie in der Forstentomologie: Der bakterielle Endosymbiont *Wolbachia* im Kupferstecher Präsentation von geförderten Projekten der Stiftung 120 Jahre Universität für Bodenkultur, Vienna, Austria – Talk

- Stauffer C, **Schuler H** 2011 Molekulare Ökologie in der Biodiversitätsforschung. *Zukunftstrends der Integrativen Biodiversitätsforschung*, BOKU Wien, Vienna, Austria – Talk
- Schuler H**, Arthofer W, Riegler M, Köppler K, Vogt H, Teixeira LAF, Stauffer C 2010 Diversity in the orchard: The multitude of *Wolbachia* in *Rhagoletis* fruit flies. *VIth International Wolbachia Conference in Asilomar*, California, USA – Talk.
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- Rasool B, Arthofer W, **Schuler H**, Riegler M, Mirak TN, Stauffer C 2010 *Wolbachia* in European, Persian and Russian *Rhagoletis cerasi* (Diptera, Tephritidae) populations. 8th International Symposium on fruit flies, Valencia, Spain – Talk.
- Schuler H**, Arthofer W, Köppler K, Vogt H, Teixeira LAF, Riegler M, Stauffer M 2009 *Wolbachia* in *Rhagoletis* spp. Tagung der Deutschen Gesellschaft für allgemeine und angewandte Entomologie, Göttingen, Deutschland – Poster.

I declare, pursuant to art. 76 of Presidential Decree 445/2000, that the information is true. I authorize the processing of my personal data in accordance with Legislative Decree 30 June 2003, n. 296 "Code for the protection of personal data" and the GDPR 679/16 – „European Regulation on the protection of personal data“