

Prof. Dr. rer. nat. SANJA BARIC

Associate Professor of Plant Pathology (subject area 07/D1 - II Fascia)

Faculty of Science and Technology
Free University of Bozen–Bolzano

UNIVERSITY AND POST-UNIVERSITY EDUCATION

Marche Polytechnic University, Italy

2006-2008 Second level E-learning master in Biosafety in Plant
Biotechnology

Management Center Innsbruck, Austria

2001-2002 Postgraduate Course "General Management"

University of Innsbruck, Austria

January 2001 Ph.D. in Biology/Zoology (Dr. rer. nat.) with Honours

April 1997 Graduation in Biology/Zoology (Mag. rer. nat.) with Honours

EMPLOYMENT AND RESEARCH EXPERIENCE

Free University of Bozen–Bolzano – Faculty of Science and Technology, Italy

Associate Professor of Plant Pathology (since September 2016)

Hochschule Osnabrück – University of Applied Sciences Osnabrück, Germany

Professorship (W2) "Agricultural Biotechnology" (February 2016 – July 2016)

Research Centre for Agriculture and Forestry Laimburg, Auer–Ora, Italy

Head of the Laboratory for Microbiology/Virology and Diagnostics: responsible for the operational management and organisation of the plant disease diagnosis service (January 2015 – January 2016)

Senior Researcher responsible for the Division of Population Genetics: molecular genetic characterisation of apple cultivars and implementation of a new research line to investigate microbial communities in soil associated with replant disease of apple (May 2013 – December 2014)

Sabbatical leave for research and study (November 2011 – April 2013)

Head of the Molecular Biology Laboratory: responsible for the laboratory organisation and conduction of research projects dealing with the investigation and diagnosis of plant pathogens (bacteria and fungi), identification of plant species in complex matrices, molecular identification of apple and cereal cultivars/varieties, and population genetics of native trout and crayfish species (August 2002 – October 2011)

Freelance Research Associate: establishment of the laboratory for Molecular Biology and development of a new real-time PCR-based method for detection of apple proliferation phytoplasma (April 2001 - July 2002)

University of Warwick, Coventry, United Kingdom

Sponsored Visiting Research Fellow in the Environmental Microbiology Department (Prof Elizabeth Wellington), School of Life Sciences, working on the application of metagenomic approaches for the investigation of extracellular bacterial proteins involved in degradation of lignin in soil (February 2012 – February 2013)

University of Innsbruck, Department of Zoology and Limnology, Austria

Research Assistant: involved in the description of a new turbellarian species (January – March 2001)

Graduate Research Assistant: working on population genetics, phylogeography and phylogeny of Lake Tanganyika cichlid fishes (November 1997 – October 2000)

TEACHING EXPERIENCE

Hochschule Osnabrück – University of Applied Sciences, Germany

- *Fundamentals of Biochemistry* (module 44B0025-1-VL), Bachelor Study Programme "Bioengineering in Agriculture and Food Industry"
Teaching Language: German
Number of hours: 4 SWS – 5 credit points (summer term 2016)
- *Food Biotechnology* (module 44B0026-1-VL), Bachelor Study Programme "Bioengineering in Agriculture and Food Industry"
Teaching Language: German
Number of hours: 4 SWS – 5 credit points (summer term 2016)

Free University of Bozen – Bolzano, Italy

- Teaching contract for the course *Genetics and Plant Breeding* of the Bachelor Study Programme "Agricultural Science and Agricultural Technology"
Teaching Language: German
Number of hours: 20 hours lectures, 10 hours exercises (Academic year 2014/15)

- Teaching contract for the course *Advanced Molecular Biology Techniques in Fruit Sciences* of the International Master of Fruit Science
Teaching Language: English
Number of hours: 40 hours lectures, 20 hours exercises (Academic years 2011/12 and 2013/14); 24 hours lectures, 7 hours exercises (Academic year 2012/13)
- Teaching contract for the course *Zoology* of the Bachelor Study Programme "Agricultural Science and Agricultural Technology"
Teaching Language: German
Number of hours: 20 hours lectures, 8 hours exercises (Academic years 2009/10 and 2010/11)
- Teaching contract for the course *General Zoology* of the Bachelor Study Programme "Agricultural Science and Agricultural Economics"
Teaching Language: English
Number of hours: 16 hours lectures, 10 hours exercises (Academic years 2002/03, 2003/04, 2004/05, 2005/06, 2006/07, 2007/08 and 2008/09)

University of Innsbruck, Austria

- Lecture course: *Gentechnik in der Landwirtschaft: Risiken und Chancen*
Teaching Language: German
Number of hours: 16 (VO 1) (Academic year 2009/10)
- Teaching assistantships: *Basic Course on Zoology* (WS 2000/01 and WS 1999/2000); *Course on Marine Biology – Calvi, Corsica* (SS 2000); *Course on Marine Biology – Rovinj, Croatia* (SS 1999), *Course on Physiology: Respirometry* (WS 1996/97)

Pädagogisches Institut Bozen, Italy

- Seminars and one-day training courses for life science teachers (*Gentechnische Methoden im Biologieunterricht*)
Teaching Language: German
September 2002, October 2003, February 2004 and August 2005

Fachschule für Obst-, Wein- und Gartenbau Laimburg, Pfatten (Italy)

- Lecture module: *Einführung in die Molekularbiologie* (School year 2010/11)

LANGUAGE COMPETENCE

Croatian: native language (C2)

German: second native language (C2)

English: advanced skills in speaking and writing (C1)

Italian: exam of bilingualism - level A (Autonomous Province of Bozen/Bolzano) (C1)

EXTERNALLY FUNDED RESEARCH PROJECTS

Health & Nutrition – Alte und neue Apfelsorten im Dienste der Gesundheit: „APFEL-FIT“, Projektteil Molekularbiologie (Funded within the ERDF 2007/2013 programme of the EU; 2008-2015).

Application of metagenomic approaches for the investigation of extracellular bacterial proteins involved in degradation of lignin in soil (research fellowship for a 12-month research stay at the University of Warwick (England) within the Programme for Mobility of Researchers (Outgoing Researchers) awarded by the Department for Promotion of Educational Policies, University and Research of the Autonomous Province of Bozen/Bolzano (February 2012 – February 2013).

SCHWERPUNKTPROJEKT APFELTRIEBSUCHT - APPL (Apfeltriebsucht-Projekt Laimburg): Untersuchung der Interaktionen Phytoplasma-Apfelbaum mittels Genexpressions- und Proteinanalytik - Projektteil Molekularbiologie (Co-financed by the Autonomous Province of Bozen/Bolzano and the Fruit Growing Industry of South Tyrol; duration: 2006-2011).

Bergheu DNA-Chip – DNA-Chip-Entwicklung zur Charakterisierung und Valorisierung von Bergheu (Funded within the Interreg III A programme between Italy and Austria; 2006-2008; Project Leader: Dr. Josef Dalla Via).

GENitor – Elternschaftsbestimmung von alten Apfelsorten (Funded within the Interreg III A programme between Italy and Austria; 2007-2008; Project Leader: Dr. Josef Dalla Via).

APPLE-FINGERPRINT - Genetische Charakterisierung von alten Apfelsorten (Funded within the Interreg III A programme between Italy and Austria; 2005-2008; Project Leader: Dr. Josef Dalla Via).

GENE-SAVE - Sicherung pflanzlicher Genressourcen in den Alpen - Teilprojekt: Molekularbiologie (Funded within the Interreg III A programme between Italy and Austria; 2004-2008; Project Leader: Dr. Josef Dalla Via).

CRAYFISH-GENEFLOW - Genotypisierung und morphologische Variation autochthoner Flusskrebspopulationen in Nord- und Südtiroler Gewässern (Funded within the Interreg III A programme between Italy and Austria; 2003-2008; Project Leader: Dr. Josef Dalla Via).

TROUT-EXAMINVEST - Genotypisierung der heimischen Forellen-Populationen (Bachforelle in N- u. S-Tirol; Marmorierte Forelle in S-Tirol) zur Auffindung autochthoner Reliktpopulationen und Aufbau ursprünglicher Zuchtstämme für Besatzmaßnahmen (Funded within the Interreg III A programme between Italy and Austria; 2002-2008; Project Leader: Dr. Josef Dalla Via).

PUBLICATIONS IN PEER-REVIEWED JOURNALS

- Schmidt S, **Baric S**, Massenz M, Letschka T, Vanas V, Wolf M, Kerschbamer C, Zelger R, Schweigkofler W (2015) Resistance inducers and plant growth regulators show only limited and transient effects on infection rates, growth rates and symptom expression of apple trees infected with '*Candidatus Phytoplasma mali*'. *Journal of Plant Diseases and Protection* 122 (5-6): 207-214.
- Guerriero G, Giorno F, Folgado R, Printz B, **Baric S**, Hausman JF (2014) Callose and cellulose synthase gene expression analysis from the tight cluster to the full bloom stage and during early fruit development in *Malus × domestica*. *Journal of Plant Research* 127(1): 173-183.
- Dalla Via J, Mantinger H, **Baric S** (2013) Die Entwicklung des Obstbaus in Südtirol: I. Die landwirtschaftliche Aus- und Weiterbildung. *Erwerbs-Obstbau* 55(3-4): 109-119.
- Giorno F, Guerriero G, Biagetti M, Ciccotti AM, **Baric S** (2013) Gene expression and biochemical changes of carbohydrate metabolism in *in vitro* micro-propagated apple plantlets infected by '*Candidatus Phytoplasma mali*'. *Plant Physiology and Biochemistry* 70(9): 311–317.
- Storti A, Bannier HJ, Holler C, Kajtna B, Rühmer T, Wilfling A, Soldavini C, Dalla Via J, **Baric S** (2013) Molekulargenetische Analyse des 'Maschankker'/'Borsdorfer'-Sortenkomplexes. *Erwerbs-Obstbau* 55(3-4): 99-107.
- Baric S** (2012) Molecular tools applied to the advancement of fruit growing in South Tyrol – a review. *Erwerbs-Obstbau* 54(3): 125-135.
- Baric S** (2012) Quantitative real-time PCR analysis of '*Candidatus Phytoplasma mali*' without external standard curves. *Erwerbs-Obstbau* 54(3): 147-153.
- Baric S**, Storti A, Hofer M, Dalla Via J (2012) Resolving the parentage of the apple cultivar 'Meran'. *Erwerbs-Obstbau* 54(3): 143-146.
- Dalla Via J, **Baric S** (2012) Tree fruit growing – research and production in Germany: a statistical and bibliometric analysis of the period 1950–2010. *Erwerbs-Obstbau* 54(1): 11-30.
- Giorno F, Guerriero G, **Baric S**, Mariani C (2012) Heat shock transcriptional factors in *Malus domestica*: identification, classification and expression analysis. *BMC Genomics* 13(11): 639.
- Guerriero G, Giorno F, Ciccotti AM, Schmidt S, **Baric S** (2012) A gene expression analysis of cell wall biosynthetic genes in *Malus × domestica* infected by '*Candidatus Phytoplasma mali*'. *Tree Physiology* 32(11): 1365–1377.
- Guerriero G, Spadiut O, Kerschbamer C, Giorno F, **Baric S**, Ezcurra I (2012) Analysis of cellulose synthase genes from domesticated apple identifies collinear genes *WDR53* and *CesA8A*: partial coexpression, bicistronic mRNA and alternative splicing of *CESA8A*. *Journal of Experimental Botany* 63(16): 6045-6056.
- Storti A, Dalla Via J, **Baric S** (2012) Comparative molecular genetic analysis of apple genotypes maintained in germplasm collections. *Erwerbs-Obstbau* 54(3): 137-141.

- Baric S**, Berger J, Cainelli C, Kerschbamer C, Dalla Via J (2011) Molecular typing of 'Candidatus Phytoplasma mali' and epidemic history tracing by a combined T-RFLP/VNTR analysis approach. *European Journal of Plant Pathology* 131: 573-584.
- Baric S**, Berger J, Cainelli C, Kerschbamer C, Letschka T, Dalla Via J (2011) Seasonal colonisation of apple trees by 'Candidatus Phytoplasma mali' revealed by a new quantitative TaqMan real-time PCR approach. *European Journal of Plant Pathology* 129: 455-467.
- Baric S**, Wagner J, Storti A, Dalla Via J (2011) Application of an extended set of microsatellite DNA markers for the analysis of presumed synonym cultivars of apple. *Acta Horticulturae* 918: 303-308.
- Baric S**, Lindner L, Marschall K, Dalla Via J (2010) Haplotype diversity of *Tilletiopsis* spp. causing white haze in apple orchards in Northern Italy. *Plant Pathology* 59: 535-541.
- Baric S**, Öttl S, Dalla Via J (2010) Infection rates of natural psyllid populations with 'Candidatus Phytoplasma mali' in South Tyrol (Northern Italy). *Julius-Kühn-Archiv* 427: 189-192.
- Baric S**, Riedl A, Meraner A, Medgyesy N, Lackner R, Pelster B, Dalla Via J (2010) Alpine headwater streams as reservoirs of remnant populations of the Danubian clade brown trout. *Freshwater Biology* 55: 866-880.
- Meraner A, **Baric S**, Pelster B, Dalla Via J (2010) Microsatellite DNA data point to extensive but incomplete hybridisation between native marble trout and introduced brown trout. *Conservation Genetics* 11: 985-998.
- Baric S**, Storti A, Hofer M, Dalla Via J (2009) Molecular genetic characterisation of apple cultivars from different germplasm collections. *Acta Horticulturae* 817: 347-353.
- Berger J, Dalla Via J, **Baric S** (2009) Development of a TaqMan allelic discrimination assay for the distinction of two major subtypes of the grapevine yellows phytoplasma Bois Noir. *European Journal of Plant Pathology* 124: 521-526.
- Berger J, Schweigkofler W, Kerschbamer C, Roschatt C, Dalla Via J, **Baric S** (2009) Occurrence of Stolbur phytoplasma in the vector *Hyalesthes obsoletus*, herbaceous host plants and grapevine in South Tyrol (Northern Italy). *Vitis* 48: 185-192.
- Baric S**, Kerschbamer C, Vigl J, Dalla Via J (2008) Translocation of Apple Proliferation Phytoplasma via natural root grafts - a case study. *European Journal of Plant Pathology* 121: 207-211.
- Baric S**, Monschein S, Hofer M, Grill D, Dalla Via J (2008) Comparability of genotyping data obtained by different procedures - an interlaboratory survey. *Journal of Horticultural Science & Biotechnology* 83: 183-190.
- Meraner A, **Baric S**, Dalla Via J (2008) The selection of the 'wild': a combined molecular approach for the identification of pure indigenous fish from hybridised populations. *Comparative Biochemistry and Physiology, Part D* 3: 36-42.
- Baric S**, Dalla Via J (2007) Temporal shifts of Bois Noir phytoplasma types infecting grapevine in South Tyrol (Northern Italy). *Vitis* 46: 101-102.

- Baric S**, Kerschbamer C, Dalla Via J (2007) Detection of latent apple proliferation infection in two differently aged apple orchards in South Tyrol (northern Italy). *Bulletin of Insectology* 60: 265-266.
- Meraner A, **Baric S**, Pelster B, Dalla Via J (2007) Trout (*Salmo trutta*) mitochondrial DNA polymorphism in the centre of the marble trout distribution area. *Hydrobiologia* 579: 337-349.
- Sefc KM, **Baric S**, Salzburger W, Sturmbauer C (2007) Species-specific population structure in rock-specialized sympatric cichlid species in Lake Tanganyika, East Africa. *Journal of Molecular Evolution* 64: 33-49.
- Baric S**, Höllrigl A, Füreder L, Petutschnig J, Dalla Via J (2006) First analysis of genetic variability in Carinthian populations of the white-clawed crayfish *Austropotamobius pallipes*. *Bulletin Francais de la Pêche et de la Pisciculture* 380-381: 977-990.
- Baric S**, Kerschbamer C, Dalla Via J (2006) TaqMan real-time PCR versus four conventional PCR assays for detection of apple proliferation phytoplasma. *Plant Molecular Biology Reporter* 24: 169-184.
- Lindner L, **Baric S** (2006) La "patina bianca": una nuova alterazione che danneggia l'epidermide della mela. *Informatore fitopatologico* 56(12): 60-63.
- Baric S**, Dalla Via J (2005) Diagnostics of apple proliferation phytoplasma hampered by bacterial DNAs. *Laimburg Journal* 2: 27-33.
- Baric S**, Höllrigl A, Füreder L, Dalla Via J (2005) Mitochondrial and microsatellite analyses of *Austropotamobius pallipes* populations in South Tyrol (Italy) and Tyrol (Austria). *Bulletin Francais de la Pêche et de la Pisciculture* 376-377: 599-612.
- Baric S**, Höllrigl A, Kerschbamer C, Füreder L, Petutschnig J, Dalla Via J (2005) Update of the molecular phylogeny of the *Austropotamobius pallipes* species complex by including specimens from South Tyrol (Italy) and Carinthia (Austria). *Bulletin Francais de la Pêche et de la Pisciculture* 376-377: 627-636.
- Baric S**, Dalla Via J (2004) A new approach to apple proliferation detection: a highly sensitive real-time PCR assay. *Journal of Microbiological Methods* 57: 135-145.
- Dalla Via J, Tasser E, Tappeiner U, **Baric S**, Mair V, Kasal A (2004) Biologisch-ökologische Grundlagen einer Bergheue-Zertifizierung. *Laimburg Journal* 1: 95-108.
- Baric S**, Salzburger W, Sturmbauer C (2003) Phylogeography and evolution of the Tanganyikan cichlid genus *Tropheus* based upon mitochondrial DNA sequences. *Journal of Molecular Evolution* 56: 54-68.
- Sturmbauer C, Hainz U, **Baric S**, Verheyen E, Salzburger W (2003) Evolution of the tribe Tropheini from Lake Tanganyika: synchronized explosive speciation producing multiple evolutionary parallelism. *Hydrobiologia* 500: 51-64.
- Gschwentner R, **Baric S**, Rieger R (2002) New model for the formation and function of sagittocysts: *Symsagittifera corsicae* n. sp. (Acoela). *Invertebrate Biology* 121: 95-103.

- Salzburger W, **Baric S**, Sturmbauer C (2002) Speciation via introgressive hybridization in East African cichlids? *Molecular Ecology* 11: 619-625.
- Salzburger W, Meyer A, **Baric S**, Verheyen E, Sturmbauer C (2002) Phylogeny of the Lake Tanganyika cichlid species flock and its relationship to the Central- and East-African haplochromine cichlid fish faunas. *Systematic Biology* 51: 113-135.
- Sturmbauer C, **Baric S**, Salzburger W, Rüber L, Verheyen E (2001) Lake level fluctuations synchronize genetic divergences of cichlid fishes in African lakes. *Molecular Biology and Evolution* 18: 144-154.
- Baric S**, Sturmbauer C (1999) Ecological parallelism and cryptic species in the genus *Ophiothrix* derived from mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution* 11: 157-162.

BOOK CHAPTERS

- Schulz H, **Baric S** (2009) Phylogenetik und Populationsgenetik bei Europäischen Flusskrebse. In: Flusskrebse: Biologie – Ökologie – Gefährdung. (Füreder L, Ed.). Folio Verlag, Wien, pp. 34-43.
- Baric S**, Dalla Via J (2008) Advances in detection of apple proliferation phytoplasma. In: Advances in Plant Biotechnology (Rao GP, Zhao Y, Radchuk VV, Bhatnagar SK, Eds.). Studium Press LLC, Texas, USA, pp. 561-582.

PUBLICATIONS IN SPECIALIST JOURNALS

- Baric S**, Kerschbamer C, Morandell A (2012) Zehn Jahre Monitoring der Vergilbungs-krankheiten der Rebe. *Obstbau Weinbau* 49: 142-146.
- Holler C, Kajtna B, **Baric S**, Storti A (2012) Zigeunerapfel oder Roter von Simonffi? Pomologische und molekularbiologische Verifizierung der selben Sorte. *Besseres Obst* 57(5): 20-22.
- Letschka T, Öttl S, **Baric S**, Kiem U (2011) Fallstudie zur Apfeltriebsucht in einer biologisch bewirtschafteten Apfelanlage im Burggrafenamt. *Obstbau Weinbau* 48: 79-80.
- Unterthurner M, **Baric S** (2011) Apfeltriebsucht: Sechs Jahre Erfahrungen in einer Modellanlage. *Obstbau Weinbau* 48: 77-78.
- Baric S** (2010) Internationaler Kongress für Gartenbau in Lissabon. *Obstbau Weinbau* 47: 397-398.
- Baric S**, Kerschbamer C, Berger J, Cainelli C, Dalla Via J, Österreicher J (2010) Ausbreitung der Apfeltriebsucht in Südtirol in zwei Wellen. *Obstbau Weinbau* 47: 70-73.
- Unterthurner M, **Baric S** (2010) 5 Jahre Erfahrung aus einer Modellanlage. *Obstbau Weinbau* 47: 73-74.

- Baric S**, Dalla Via J (2009) Alte und neue Apfelsorten im Dienste der Gesundheit. *Fruchthandel* 21/2009: 7-8.
- Schmidt S, Vanas V, Schweigkofler W, Öttl S, Berger J, Cainelli C, **Baric S** (2009) Das Schwerpunktprojekt Apfeltriebsucht am Versuchszentrum Laimburg. *Obstbau Weinbau* 46: 272-277.
- Schweigkofler W, **Baric S** (2009) Der Apfeltriebsucht auf der Spur. *Apfel Aktuell* 23: 20-21.
- Unterthurner M, **Baric S** (2009) Apfeltriebsucht: vier Jahre Erfahrung aus einer Modellanlage. *Obstbau Weinbau* 46: 21-23.
- Baric S** (2008) Erregern der Schwarzholzkrankheit auf der Spur. *Südtiroler Landwirt* 62: 47-48.
- Baric S** (2008) Kriminalistische Methoden im Obstbau. *Südtiroler Landwirt* 62: 61-62.
- Baric S**, Unterholzner S, Dalla Via J (2008) Semi-automated DNA isolation from cereal crops using the TE-MagS module. *Tecan Journal* 1/2008: 30-31.
- Öttl S, **Baric S**, Dalla Via J (2008) Teilweise Rotfärbung weist nicht auf Apfeltriebsucht hin. *Obstbau Weinbau* 45: 58-59.
- Schweigkofler W, **Baric S** (2008) Apfeltriebsucht: VZ Laimburg forscht. *Apfel Aktuell* 22: 20-21.
- Unterthurner M, **Baric S** (2008) Apfeltriebsucht: Erkenntnisse auf einer Modell-Anlage. *Obstbau Weinbau* 45: 114-117.
- Baric S**, Lindner L, Dalla Via J (2007) Nachweis des Apfeltriebsucht-Phytoplasmas: Labormethoden im Vergleich. *Obstbau Weinbau* 44: 200-203.
- Dalla Via J, **Baric S** (2007) Die Zukunft gehört der Molekularbiologie. *Obstbau Weinbau* 44: 58-60.
- Baric S**, Kerschbamer C, Dalla Via J (2006) Ergebnisse der Laboranalysen zur Erfassung von latenten Vorkommen des Erregers der Apfeltriebsucht. *Obstbau Weinbau* 43: 54-55.
- Meraner A, **Baric S**, Dalla Via J (2006) Von der Wildpopulation zum Zuchtstamm. *Jägerzeitung* 1/2006: 34-35.
- Riedl A, **Baric S**, Dalla Via J (2006) Die Suche nach ursprünglichen Forellenpopulationen – auch nördlich des Brenners. *Die Fischerei in Südtirol* 1: 12-13.
- Schweigkofler W, Roschatt C, **Baric S** (2006) Der Überträger der Schwarzholzkrankheit der Rebe. *Obstbau Weinbau* 43: 141-143.
- Baric S**, Dalla Via J (2004) Neue Methode zum Nachweis des Erregers der Apfeltriebsucht. *Obstbau Weinbau* 41: 392-393.
- Baric S**, Dalla Via J (2004) Durchbruch im Kampf gegen den Besenwuchs. *Südtiroler Landwirt* 58: 58-59.
- Meraner A., **Baric S.**, Dalla Via J. (2004) Heimische Forellenpopulationen unter der Lupe: Erste Ergebnisse. *Jägerzeitung* 4/2004: 40-41.
- Meraner A, **Baric S**, Dalla Via J (2004) Heimische Forellenpopulationen unter der Lupe. *Jägerzeitung* 1/2004: 33-35.
- Baric S**, Dalla Via J (2003) Was sind Phytoplasmen? *Obstbau Weinbau* 40: 295-297.

- Baric S**, Kerschbamer C, Wolf M, Dalla Via J (2003) Latenter Apfeltriebsuchtbefall in einer Erwerbsanlage. *Obstbau Weinbau* 40: 302-303.
- Wolf M, Zelger R, **Baric S** (2003) Die Rolle des Weißdornblattsaugers bei der Übertragung der Apfeltriebsucht in Südtirol. *Obstbau Weinbau* 40: 315-317.
- Dalla Via J, Meraner A, **Baric S** (2003) Auf der Suche nach der „Urforelle“. *Südtiroler Landwirt* 57: 39-41.
- Dalla Via J, Höllrigl A, **Baric S** (2003) Flusskrebse Südtirols in Gefahr. *Südtiroler Landwirt* 57: 41.

CONTRIBUTIONS TO CONFERENCES/PROFESSIONAL PRESENTATIONS

- 29.-31.10.2015 **Baric S**, Storti A, Dalla Via J: 'Spurensuche nach alten Apfelsorten- wie molekulargenetische Untersuchungen dabei helfen können'. Internationale Fachtagung Obstgärten: Produktionsstätten, Bedeutungsträger, Kulturdenkmale. Cusanus Akademie, Brixen, Italy. (Oral presentation).
- 22.10.2015 Storti A, **Baric S**: 'L'assegnazione varietale nel melo - creazione ed applicazione di una banca dati molecolare in Alto Adige'. Abschlussveranstaltung und Präsentation der Ergebnisse des Projekts „APFEL-FIT - Alte und neue Apfelsorten im Dienste der Gesundheit“, Haus des Apfels, Terlan, Italy. (Oral presentation A. Storti).
- 22.10.2015 **Baric S**, Storti A: 'Fallbeispiele aus der Südtiroler Datenbank für die molekulargenetische Bestimmung von Apfelsorten'. Abschlussveranstaltung und Präsentation der Ergebnisse des Projekts „APFEL-FIT - Alte und neue Apfelsorten im Dienste der Gesundheit“, Haus des Apfels, Terlan, Italy. (Oral presentation).
- 22.-23.09.2015 **Baric S**, Storti A, Hofer M, Guerra W, Putz M, Stainer R, Gatscher H, Partl C, Dalla Via J: 'Anwendung molekulargenetischer Verfahren zur Charakterisierung und Erhaltung der Sortenvielfalt des Apfels in Südtirol (Italien) und Tirol (Österreich)'. Kongress Deutsche Obstsortenvielfalt - Neue Wege für Erhaltung und Nutzung, Hochschule für Technik und Wirtschaft, Dresden, Germany. (Oral presentation).
- 27.02.2015 **Baric S**, Wagner J, Unterholzner S, Peratoner G, Kasal A, Partl C, Dalla Via J: 'Molekulargenetische Charakterisierung der heimischen Roggen-Landsorten Südtirols und Tirols'. CereAlp-Getreidetagung, Research Centre Laimburg, Pfatten, Italy. (Oral presentation).
- 21.11.2014 **Baric S**, Storti A: 'Eine Datenbank für die molekulargenetische Bestimmung von Apfelsorten - EFRE-Projekt APFEL-FIT'. Internationales Pomologentreffen, Research Centre Laimburg, Pfatten, Italy. (Oral presentation).

- 09.-13.08.2014 Schweigkofler W, Schmidt S, **Baric S**, Massenz M, Kerschbamer C: 'Effect of bioactive compounds on infection, growth rates and symptom expression of apple trees infected with the apple proliferation phytoplasma'. 2014 Joint Meeting of The American Phytopathological Society (APS) and The Canadian Phytopathological Society (CPS), Minneapolis, Minnesota, USA. (Poster presentation by W. Schweigkofler).
- 25.-27.09.2013 Storti A, Bannier HJ, Holler C, Kajtna B, Rühmer T, Wilfling A, Soldavini C, Dalla Via J, **Baric S**: 'Analysis of the 'Maschankker' apple cultivar complex by means of molecular markers'. III International Symposium on Molecular Markers in Horticulture, Riva del Garda (Trento), Italy. (Poster presentation).
- 25.-27.09.2013 Storti A, Kerschbamer C, Tartarini S, Gregori R, Sansavini S, Dalla Via J, **Baric S**: 'Application of molecular markers and a comparative database approach for the characterisation of genetic resources of apple maintained in a germplasm collection of the University of Bologna'. III International Symposium on Molecular Markers in Horticulture, Riva del Garda (Trento), Italy. (Poster presentation).
- 22.01.2013 **Baric S**: 'Research on apple proliferation and genetic resources of apple in South Tyrol (Northern Italy)'. Invited seminar at East Malling Research, United Kingdom. (Oral presentation).
- 30.10.-04.11.2012 Storti A, Dalla Via J, **Baric S**: 'Application of microsatellite markers for determination of trueness-to-type of selected apple varieties'. 6th Rosaceous Genomics Conference, Mezzocorona, Italy. (Poster presentation).
- 12.-15.06.2012 Cipriano M, Guerriero G, Landi C, **Baric S**, Gagliardi A, Ciccotti AM, Puglia M, Armini A, Bini L, Bianchi L: 'Preliminary proteomic approach to the study of 'Candidatus Phytoplasma mali' infection in in vitro micropropagated plantlets of *Malus x domestica*'. 7th Italian Proteomics Association Annual Congress, Viterbo, Italy. (Poster presentation).
- 21.-24.04.2012 Storti A, Dalla Via J, **Baric S**: 'Molecular genetic profiles for the assignment of apple cultivars'. 19th EUCARPIA General Congress, Budapest, Hungary. (Poster presentation).
- 22.11.2011 **Baric S**: 'The apple and molecular biology techniques – a fruitful liaison'. Invited lecture at the University of Applied Sciences Coburg, Germany. (Oral presentation).
- 22.11.2011 **Baric S**: 'Was ist Leben?'. Invited lecture at the University of Applied Sciences Coburg, Germany. (Oral presentation).
- 04.11.2011 **Baric S**, Meraner A, Riedl A, Dalla Via J: 'Molekulargenetische Suche nach ursprünglichen Forellenpopulationen in Westösterreich und Südtirol (Interreg-Projekt TroutExamInvest)'. ÖFV-Symposium 2011: Fischereiliche Bewirtschaftung Österreichischer Salmonidengewässer, Semmering, Austria. (Oral presentation).

- 27.02.-01.03.2011 **Baric S**, Kerschbamer C: 'Monitoring of grapevine yellows by molecular tools in South Tyrol (Northern Italy)'. 2nd European Bois noir Workshop, Castelbrando, Cison di Valmarino, Italy. (Poster presentation).
- 23.-27.08.2010 **Baric S**, Wagner J, Storti A, Dalla Via J: 'Application of an extended set of microsatellite DNA markers for the analysis of presumed synonym cultivars of apple'. 28th International Horticultural Congress, Lisboa Congress Centre, Lissabon, Portugal. (Poster presentation).
- 23.-27.08.2010 Dalla Via J, Ciesa F, Storti A, **Baric S**: 'Old and new apple varieties at the service of health in South Tyrol (Northern Italy)'. 28th International Horticultural Congress, Lisboa Congress Centre, Lissabon, Portugal. (Poster presentation).
- 15.07.2010 Guerra W, Höller I, Stainer R, **Baric S**, Dalla Via J: 'Tutela e valorizzazione delle risorse genetiche locali in Alto Adige - Melo'. Seminario: La tutela e la valorizzazione dell'agrobiodiversità: le esperienze regionali a confronto. A.R.S.I.A. - Regione Toscana, Palazzo dei Congressi, Firenze, Italy. (Poster presentation).
- 15.07.2010 Peratoner G, Florian C, **Baric S**, Mair V, Kasal A, Heistingner A, Schwienbacher F, Dalla Via J: 'Tutela e valorizzazione delle risorse genetiche locali in Alto Adige - Cereali e ortaggi'. Seminario: La tutela e la valorizzazione dell'agrobiodiversità: le esperienze regionali a confronto. A.R.S.I.A. - Regione Toscana, Palazzo dei Congressi, Firenze, Italy. (Poster presentation).
- 17.09.2009 **Baric S**, Storti A, Hofer M, Guerra W, Putz M, Stainer R, Gatscher H, Dalla Via J: 'Use of molecular markers for characterisation and conservation of old apple varieties in South Tyrol (Italy) and Tyrol (Austria)'. XIX Congresso della Società Italiana di Ecologia (S.It.E.), EURAC, Bozen, Italy. (Oral presentation).
- 17.09.2009 Dalla Via J, Meraner A, Pelster B, **Baric S**: 'Molecular genetic characterisation of marble trout populations in South Tyrol (Italy)'. XIX Congresso della Società Italiana di Ecologia (S.It.E.), EURAC, Bozen, Italy. (Oral presentation by J. Dalla Via).
- 16.09.2009 Letschka T, Mayrhofer S, Wagner J, Tasser E, Lüth C, Niedrist G, Tappeiner U, Dalla Via J, **Baric S**: 'Development of a molecular tool for the survey of species composition in Alpine meadows'. XIX Congresso della Società Italiana di Ecologia (S.It.E.), EURAC, Bozen, Italy. (Oral presentation by T. Letschka).
- 16.09.2009 Niedrist G, Lüth C, Tasser E, Letschka T, Dalla Via J, **Baric S**, Tappeiner U: 'Una base botanica per la certificazione del fieno alpino'. XIX Congresso della Società Italiana di Ecologia (S.It.E.), EURAC, Bozen, Italy. (Oral presentation by G. Niedrist).
- 15.-18.09.2009 **Baric S**, Höllrigl A, Füreder L, Dalla Via J: 'Molecular genetic analyses of populations of the white-clawed crayfish in South Tyrol (Italy) and Austria'. XIX Congresso della Società Italiana di Ecologia (S.It.E.), EURAC, Bozen, Italy. (Poster presentation).

- 15.-18.09.2009 Dalla Via J, Moser F, **Baric S**: 'It's in the DNA - Sulle tracce del DNA'. XIX Congresso della Società Italiana di Ecologia (S.It.E.), EURAC, Bozen, Italy. (Poster presentation).
- 15.-18.09.2009 Schweigkofler W, Berger J, Roschatt C, **Baric S**: 'Notes on the ecology of the Stolbur phytoplasma, its plant hosts and insect vectors'. XIX Congresso della Società Italiana di Ecologia (S.It.E.), EURAC, Bozen, Italy. (Poster presentation).
- 10.07.2009 **Baric S**, Öttl S, Dalla Via J: 'Infection rates of natural psyllid populations with '*Candidatus* Phytoplasma mali' in South Tyrol (Northern Italy)'. 21st International Conference on Virus and other Graft Transmissible Diseases of Fruit Crops, Neustadt an der Weinstrasse, Germany. (Oral presentation).
- 12.11.2008 **Baric S**, Berger J, Kerschbamer C, Schweigkofler W, Roschatt C, Dalla Via J: 'Application of molecular tools for the study of Bois Noir in South Tyrol (northern Italy)'. First European Bois noir Workshop 2008. Staatliche Lehr- und Versuchsanstalt für Wein- und Obstbau Weinsberg, Weinsberg, Germany. (Oral presentation).
- 05.09.2008 **Baric S**, Storti A, Hofer M, Guerra W, Putz M, Stainer R, Gatscher H, Dalla Via J: 'Molekulargenetische Charakterisierung der alten Apfelsorten in Südtirol und Tirol'. Zoologische und botanische Forschung in Südtirol - 5. Tagung, Naturmuseum Südtirol, Bozen, Italy. (Oral presentation).
- 05.09.2008 Letschka T, **Baric S**, Mayrhofer S, Wagner J, Lüth C, Tasser E, Niedrist G, Tappeiner U, Dalla Via J: 'Pflanzen bestimmen mittels DNA-Chip – Entwicklung eines Werkzeugs zur genetischen Charakterisierung von Bergheu'. Zoologische und botanische Forschung in Südtirol - 5. Tagung, Naturmuseum Südtirol, Bozen, Italy. (Oral presentation by T. Letschka).
- 04.09.2008 Dalla Via J, Meraner A, **Baric S**: 'Molekulargenetische Charakterisierung der Populationen der marmorierten Forelle in Südtirol'. Zoologische und botanische Forschung in Südtirol - 5. Tagung, Naturmuseum Südtirol, Bozen, Italy. (Oral presentation by J. Dalla Via).
- 04.-05.09.2008 Dalla Via J, Moosmann G, Kasal A, Partl C, Schwienbacher F, Peratoner G, Putz M, Guerra W, Hollaus K, Heistinger A, Flandorfer A, **Baric S**: 'The Interreg-Projekt GENE SAVE with the mission to save the local agricultural resources of South Tyrol and Tyrol'. Zoologische und botanische Forschung in Südtirol - 5. Tagung, Naturmuseum Südtirol, Bozen, Italy. (Poster presentation).
- 27.06.2008 **Baric S**, Riedl A, Meraner A, Dalla Via J: 'Genetische Charakterisierung der Bachforellenpopulationen im Rahmen des Projektes Trout-Exam-Invest'. Seminar: Die Urforelle ist zurück – die Geschichte einer erfolgreichen Wiederansiedlung und ihre Auswirkungen auf die heimischen Fischgewässer, Nationalpark Akademie, Nationalpark Hohe Tauern, Mittersill, Austria. (Oral presentation).

- 20.02.2008 **Baric S**, Storti A, Dalla Via J: 'Molecular markers as an assisting tool for characterisation of local apple varieties'. First Symposium on Horticulture in Europe, Vienna, Austria. (Oral presentation).
- 17.-20.02.2008 **Baric S**, Unterholzner S, Dalla Via J: 'Cereal landraces from the Alpine region of Italy and Austria as a potential source of genetic variability for the future'. First Symposium on Horticulture in Europe, Vienna, Austria. (Poster presentation).
- 17.-20.02.2008 Dalla Via J, Kasal A, Partl C, Putz M, Moosmann G, Flandorfer A, **Baric S**: 'GENE SAVE – An interregional project for protection of genetic resources and traditional knowledge in the Alpine region'. First Symposium on Horticulture in Europe, Vienna, Austria. (Poster presentation).
- 24.01.2008 **Baric S**: 'Die Fahndung nach dem Erreger der Schwarzholzkrankheit – Tatortbericht aus dem Molekularbiologischen Labor'. 46. Südtiroler Weinbautagung, St. Michael-Eppan, Italy. (Oral presentation).
- 08.01.2008 **Baric S**: 'Alternative Instrumente zur Bestimmung von Apfelsorten – Einsatzmöglichkeiten molekulargenetischer Methoden'. 55. Südtiroler Obstbautagung, Meran, Italy. (Oral presentation).
- 29.11.2007 **Baric S**: 'Welche Apfelsorte ist das? Einsatzmöglichkeiten und Grenzen der molekulargenetischen Bestimmung'. Laimburg-Seminar. Research Centre for Agriculture and Forestry, Auer/Ora, Italy. (Oral presentation).
- 12.-15.11.2007 **Baric S**, Kerschbamer C, Dalla Via J: 'Detection of latent apple proliferation infection in two differently aged apple orchards in South Tyrol (northern Italy)'. First International Phytoplasmologist Working Group Meeting, Bologna, Italy. (Poster presentation).
- 10.11.2007 **Baric S**: 'Molekularbiologie als Partner der Pomologie'. 7. Internationales Pomologentreffen, Kongresszentrum Alpbach, Austria. (Oral presentation).
- 15.09.2007 **Baric S**, Öttl S, Füreder L, Dalla Via J: 'Molekulargenetische Untersuchungen zum Schutz von heimischen Flusskrebs-Populationen'. 3. Internationale Flusskrebstagung, Forum Flusskrebse, Mondsee, Austria. (Oral presentation).
- 21.-26.07.2007 **Baric S**, Dalla Via J: 'Genetic characterisation of Bois Noir phytoplasma strains occurring in South Tyrol (northern Italy)'. XIII Congress on Molecular Plant-Microbe Interactions, Sorrento, Italy. (Poster presentation).
- 13.03.2007 **Baric S**: 'Die Einsatzmöglichkeiten der Molekularbiologie zur Erforschung des Apfeltriebsucht-Erregers'. Besenwuchs-Tagung, Auer, Italy. (Oral presentation).

- 11.12.2006 Dalla Via J, **Baric S**: 'Analisi filogenetiche e di popolazioni del gambero Austropotamobius pallipes in Alto Adige (IT) ed in Carinzia (AT)'. Convegno 'Il gambero di fiume e il gambero della Louisiana: specie indigene ed esotiche a confronto', Consorzio di Gestione del Parco Fluviale del Secchia, Corte Ospitale, Rubiera, Italy. (Oral presentation by J. Dalla Via).
- 07.09.2006 Öttl S, **Baric S**, Füreder L, Dalla Via J: 'Genetische Charakterisierung von Edelkrebs-Populationen in Nord-, Ost- und Südtirol'. Zoologische und botanische Forschung in Südtirol - 4. Tagung, Naturmuseum Südtirol, Bozen, Italy. (Oral presentation by S. Öttl).
- 07.09.2006 Unterholzner S, **Baric S**, Peratoner G, Dalla Via J: 'Spurensuche in heimischen Korntruhen - Genetische Fingerabdrücke zur Charakterisierung vergessener Getreidesorten'. Zoologische und botanische Forschung in Südtirol - 4. Tagung, Naturmuseum Südtirol, Bozen, Italy. (Oral presentation by S. Unterholzner).
- 23.05.2006 **Baric S**, Dalla Via J: 'Der heimische Dohlenkrebs und seine genetischen Geheimnisse'. Naturmuseum Südtirol, Bozen, Italy. (Oral presentation).
- 25.03.2006 Meraner A, **Baric S**, Riedl A, Dalla Via J: 'Der Schutz der Marmorierten Forelle mit Hilfe der Genetik'. Vollversammlung des Südtiroler Fischereiverbandes, Rasen in Antholz, Italy. (Oral presentation by A. Meraner).
- 31.01.2006 **Baric S**: 'Die Molekularbiologie - ein neues Werkzeug im Obstbau'. Obstbauseminar des Absolventenvereins Landwirtschaftlicher Schulen, Lichtenstern am Ritten, Italy. (Oral presentation).
- 07.10.2005 Meraner A, **Baric S**, Riedl A, Dalla Via J: Genetische Charakterisierung von Forellenpopulationen und Auswirkungen auf die Fischerei. Seminar: Kann die Urforelle wieder heimisch gemacht werden? Nationalpark-Akademie Hohe Tauern, BIOS Nationalparkzentrum Mallnitz, Austria. (Oral presentation by A. Meraner).
- 15.-17.09.2005 Medgyesy N, Lackner R, Pelster B, Riedl A, Meraner A, **Baric S**, Dalla Via J: Trout Exam-Invest: The resettlement of the Danubian clade of brown trout in the region of the National Park Hohe Tauern. 3. Symposium zur Schutzgebietsforschung, Kaprun, Austria. (Poster presentation).
- 15.-17.09.2005 Meraner A, **Baric S**, Riedl A, Medgyesy N, Lackner R, Pelster B, Dalla Via J: The use of molecular markers for the characterisation and rehabilitation of indigenous trout populations in the Central Alpine region. 3. Symposium zur Schutzgebietsforschung, Kaprun, Austria. (Oral presentation by A. Meraner).
- 01.09.2005 **Baric S**, Dalla Via J: Molekulare Marker im Auftrag des Artenschutzes: Molekulargenetische Untersuchungen an Dohlenkrebs-Populationen. 2. Internationale Flusskrebs-tagung, Forum Flusskrebse, Baden, Switzerland. (Oral presentation).

- 15.07.2005 Meraner A, **Baric S**, Dalla Via J: Molecular markers and phenotypic characteristics for selecting breeding strains of Marble trout in South Tyrol (northern Italy). Annual Main Meeting of the Society for Experimental Biology, Barcelona, Spain. (Oral presentation by A. Meraner).
- 11.-15.07.2005 **Baric S**, Kerschbamer C, Dalla Via J: Real-time PCR for detection of apple proliferation phytoplasma in host plants and vectors (Poster presentation). Annual Main Meeting of the Society for Experimental Biology, Barcelona, Spain. (Poster presentation).
- 02.-05.05.2005 **Baric S**, Höllrigl A, Füreder L, Petutschnig J, Dalla Via J: 'Analysis of genetic variability in Carinthian populations of the white-clawed crayfish'. CRAYNET-Final Conference, Florenz, Italy. (Poster presentation).
- 24.02.2005 **Baric S**: 'Die Molekularbiologie auf der Spur der Phytoplasmen: Fortschritte in der Apfeltriebsucht-Diagnostik'. Laimburg-Seminar, Research Centre for Agriculture and Forestry Laimburg, Auer/Ora, Italy. (Oral presentation).
- 29.09.-02.10.2004 Riedl A, Meraner A, **Baric S**, Medgyesy N, Lackner R, Pelster B, Dalla Via J: 'Genetic diversity of brown trout populations in Western Austria inferred from mitochondrial DNA sequences'. Interdisciplinary Mountain Research - Young Scientists Conference, EURAC, Italy. (Poster presentation).
- 10.09.2004 **Baric S**, Höllrigl A, Füreder L, Dalla Via J: 'Untersuchungen der genetischen Variabilität von Dohlenkrebspopulationen in Südtirol'. Zoologische und botanische Forschung in Südtirol - 3. Tagung, Naturmuseum Südtirol, Bozen, Italy. (Oral presentation).
- 10.09.2004 Hofer M, **Baric S**, Dalla Via J: 'Ist Apfel gleich Apfel? Charakterisierung lokaler Apfelsorten durch molekulargenetische Methoden'. Zoologische und botanische Forschung in Südtirol - 3. Tagung, Naturmuseum Südtirol, Bozen, Italy. (Oral presentation by M. Hofer).
- 10.09.2004 Meraner A, **Baric S**, Dalla Via J: 'Untersuchungen der Südtiroler Forellenpopulationen mit Hilfe von Sequenzen der mitochondrialen DNA'. Zoologische und botanische Forschung in Südtirol - 3. Tagung, Naturmuseum Südtirol, Bozen, Italy. (Oral presentation by A. Meraner).
- 09.09.2004 **Baric S**, Höllrigl A, Füreder L, Dalla Via J: 'Austropotamobius pallipes - a species bidding farewell to South Tyrol?' CRAYNET-Conference, 3rd Thematic Meeting of the EU-Network "CRAYNET", Innsbruck, Austria. (Oral presentation).
- 08.-11.09.2004 **Baric S**, Höllrigl A, Kerschbamer C, Füreder L, Petutschnig J, Dalla Via J: 'Update of the phylogeny of the Austropotamobius pallipes species complex' CRAYNET-Conference, 3rd Thematic Meeting of the EU-Network "CRAYNET", Innsbruck, Austria. (Poster presentation).

- 03.-05.03.2004 **Baric S**, Dalla Via J: 'Diagnostics of apple proliferation (AP) phytoplasma by real-time PCR' 1St International qPCR symposium, Freising-Weihestephan, Germany. (Poster presentation).
- 28.08.2003 **Baric S**: 'Die Molekularbiologie im Obstbau'. Aktuelle Trends in der Landwirtschaft (Weiterbildungsseminar für Fachlehrer), Land- und Forstwirtschaftliches Versuchszentrum Laimburg, Italy. (Oral presentation).
- 27.08.2003 **Baric S**: 'Die Molekularbiologie im Obstbau'. Obstbau - Aktuelles zum Apfelanbau (Weiterbildungsseminar für Fachlehrer), Fachschule für Obst-, Wein- und Gartenbau Laimburg, Italy. (Oral presentation).
- 15.-17.03.2000 **Baric S**: 'Genetic differentiation over physical barriers and distances in populations of *Tropheus moorii* from the southern part of Lake Tanganyika'. 6th Meeting of PhD Students in Evolutionary Biology, Vaalbeek, Belgium. (Oral presentation).
- 23.-28.08.1999 **Baric S**, Sturmbauer C: 'Gene flow among populations of *Tropheus* from the Zambian shore of Lake Tanganyika'. 7th Congress of the European Society for Evolutionary Biology, Barcelona, Spain. (Oral presentation).
- 24.-27.05.1999 **Baric S**, Sturmbauer C: 'Geographic distribution of mitochondrial genotypes in the genus *Tropheus* demonstrates a recent split of Lake Tanganyika'. 92. Annual Meeting of the Deutsche Zoologische Gesellschaft, 1999, Innsbruck, Austria. (Poster presentation).
- 13.-17.07.1998 **Baric S**, Sturmbauer C: 'Comparative analyses of genetic differentiation in populations of *Tropheus* demonstrate a drop in water level of Lake Tanganyika in the very recent past'. The Fisheries Society of the British Isles International Symposium: Tropical Fish Biology, Southampton, United Kingdom (Poster presentation).
- 13.-17.07.1998 Niedermayr K, **Baric S**, Sturmbauer C: 'Mitochondrial phylogeny of the *Neolamprologus brichardi* species complex and their phylogeography along the shores of Lake Tanganyika'. The Fisheries Society of the British Isles International Symposium: Tropical Fish Biology, Southampton, United Kingdom (Poster presentation).