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## **Short Report**

**ETOX – European Workshop on Bacterial Protein Toxins, Davos – Switzerland  
22-26 June 2019**

### **1. General Summary**

Bacterial infections still represent a threat to human health worldwide as major pathogens becoming resistant to all available antibiotics. The investigations of the mechanisms of host-pathogen interactions is a traditional field that keeps bringing new insights into eukaryotic biology, pathogenesis and mode of action of bacterial toxins and thus identifies potential targets for development of novel therapies.

The ETOX19 Conference brought together the world's leading experts in this field. Talks covered the following topics: "Diversity of bacterial toxins and their functions", "Mechanisms of toxin secretion", "Toxin receptors and intracellular trafficking", "Toxin structures and mode of action", "Bacterial pathogenesis, host response and immunity" and "Technological advances, novel approaches".

By fostering interactions among participants from different disciplines and by presenting the latest scientific achievements, we strived to catalyze new collaborations and to pave the way for the next wave of scientific breakthroughs in this research area.

### **2. Scientific highlights**

By hosting the "European Workshop on Bacterial Protein Toxins – ETOX19" Conference, our goal was to promote interactions among the world's leading scientists in this area and to provide a stimulating platform to help the fight against bacterial infections gain momentum. This goal was reached as the meeting attracted close to 120 participants and the attendance to all talks, poster sessions and events during the meeting was very high. The program was well balanced and offered a variety of opportunities for scientific exchanges. In addition to talks, the two poster sessions provided opportunities for more focused discussions whereas breaks, meals, networking apéros, the excursion and the conference dinner provided a more informal setting. Hotel Schatzalp\_ a former Tuberculosis sanatorium\_ was privatized, which guaranteed optimal conditions for the conference. All participants were housed on-site.

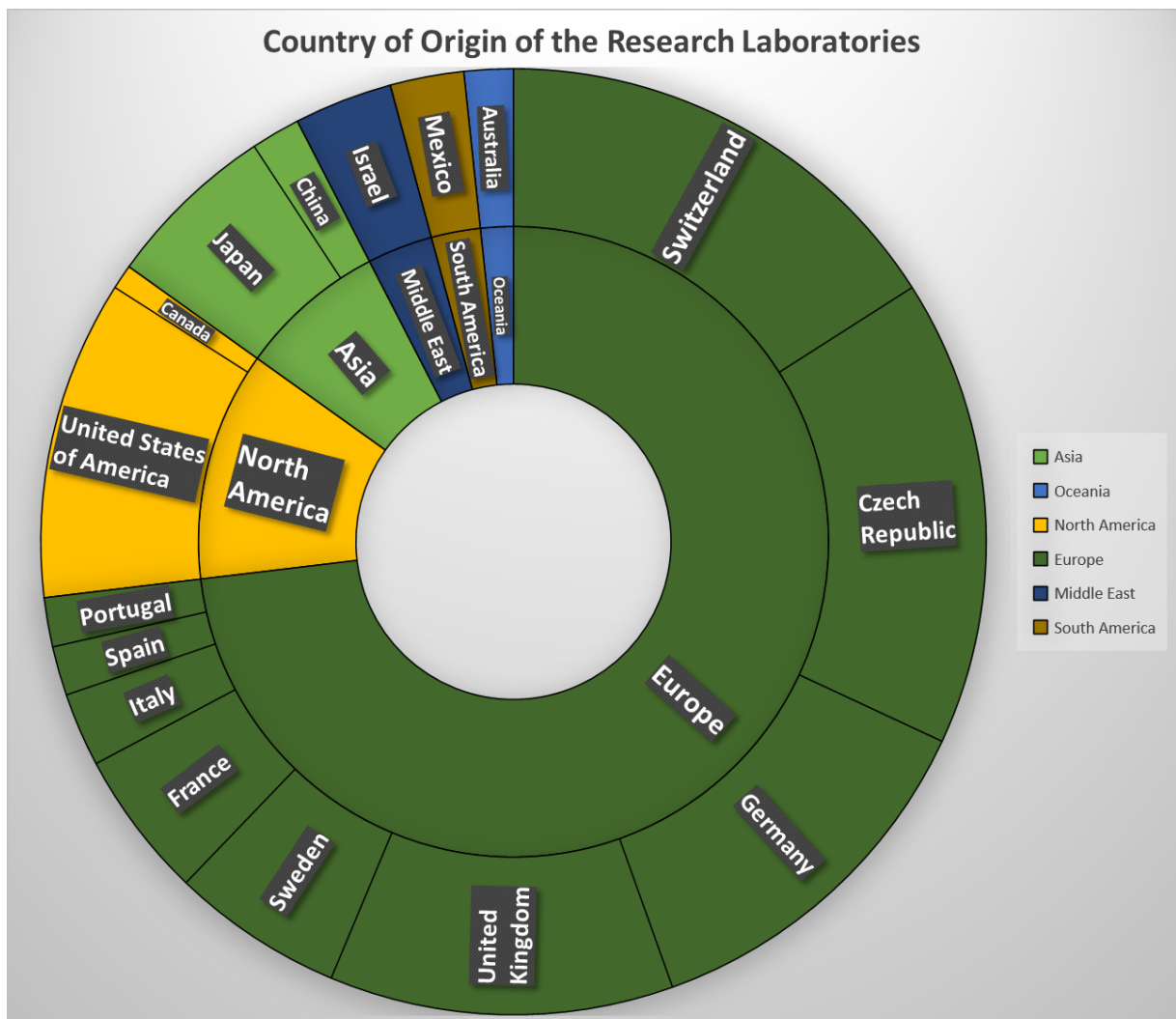
The program initially included 24 long talks from invited speakers (16 Male scientists, 8 Female scientists) from Europe, the Middle East and North America and from different stages of their careers: from newly established to world-renowned. Unfortunately, 3 invited speakers canceled their participation in the two weeks leading to the conference (1 Male, 2 Female). Prof. Sophie Helaine suggested that Peter Hill, a senior group leader in her laboratory present on her behalf. We selected Dr. Sandy Richter to give a short talk presentation to have

a glimpse of the research done in Prof. Giampietro Schiavo’s group. Unfortunately, Prof. Susan Lea could not be replaced, and her scheduled time was converted to a short talk from selected abstracts and time for a group picture.

All registered participants joined the conference except for two no-shows. The scientific committee evaluated the abstracts from participants and assigned 62 short talks and poster presentations. The program featured 49 talks, including 2 keynotes, 21 invited long talks and 26 short talks from selected participants. Many of the short talk presenters (15) also brought posters to allow extended opportunities for informal exchanges. The poster sessions featured 51 presentations. In order to allow all participants to have time to view the posters, we required the participants to staff their poster during one of the two sessions. The odd numbered posters were staffed during the first session and the even numbered one during the second.

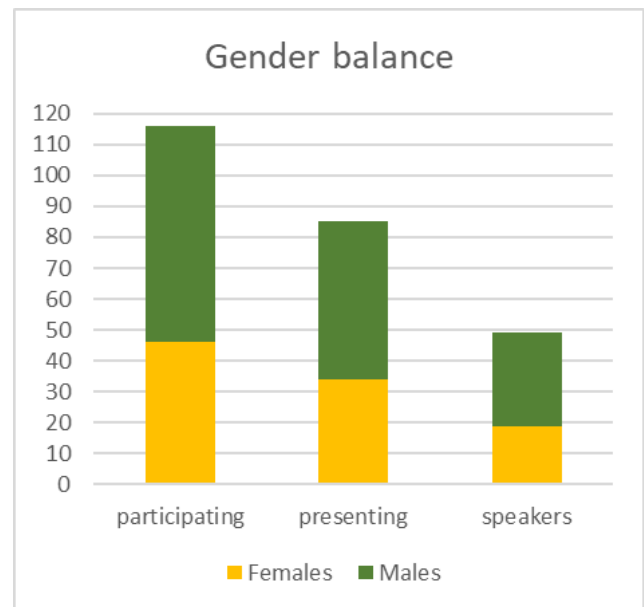
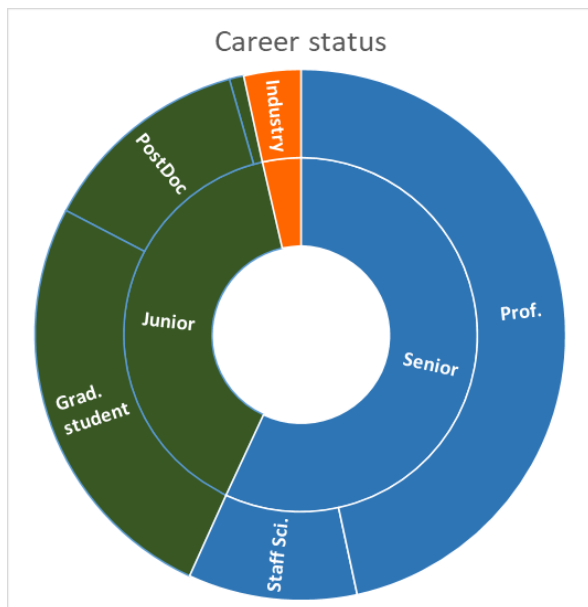
### 3. Organization

A total of 116 participants coming from 16 countries attended the Workshop. Five continents were represented, as you can see from the graph below. Participants from research laboratories established in 9 European countries attended and presented their latest scientific results.



The scientific committee was sensitive to gender balance. Overall, of the 116 participants, 40% were Female scientists. Gender parity was reached for the 26 available short talks, with 13 presentations by Female

scientists and 13 by Male scientists. We were also able to attract a large number of junior participants ranging from undergraduate students to postdoctoral associates (40%). Graphical representations of the statistics of the conference are included below.



FEMS Early career scientist grants allowed us to provide financial support for 8 participants (4 Females, 4 Males). EMBO sponsored the Keynote lecture given by Dr. Rino Rappuoli and EMBO YIP the Invited lecture given by Prof. Martin Pilhofer.

Greatly contributing to the success of the workshop, we gratefully acknowledge the conference support from EMBO YIP, FEMS, the University of Basel, GlaxoSmithKline, the Swiss Society for Microbiology, Nanion GmbH, Nikon, Roche and the journal Toxins. However, in spite of the fundraising campaign, we are closing the budget with a deficit slightly above the offered SGM-SSM scientific meeting grant. The full and detailed financial overview is attached in the subsequent pages, along with an invoice corresponding to the amount offered by SGM-SSM.

#### 4. Reaction of the participants and Forward Look

We received highly positive feedback from the participants during and after the conference. It was decided that ETOX20 would take place in Germany in 2021 and would be chaired by Prof. Stefan Raunser.

## 5. Budget overview

<b>Full budget overview</b>	
<b>Income</b>	<b>in CHF</b>
<b>Sponsors :</b>	
FEMS	-6'632
University of Basel	-4'707
GSK Vaccines	-3'392
EMBO YIP Networking application	-3'283
<b>SGM-SSM: Deficit coverage</b>	<b>-3'000</b>
Nanon	-2'150
Nikon	-1'000
EMBO YIP Speaker, Martin Pilhofer	-884
EMBO-Keynote	-706
Hoffmann La Roche	-500
Toxins	-500
Internal transfer	-50
	<b>-26'804</b>
<b>Expenses</b>	
	<b>in CHF</b>
Hotel bills: prepayment, poster boards and audio system	11'402
Junior fellow grants	4'038
Partial travel reimbursement for invited speakers	7'245
Short talk and poster awards	500
Social	2'205
Stationary	107
Organizational costs	2'612
	<b>28'109</b>
<b>Balance</b>	<b>1'306</b>

## 6. Details of financial transactions – ETOX19 account DBZ7117 – 12.09.2019

Kostenart	Auftrag	Erfassungsdatum	K.Währung	Wert/KWähr	Transaktionswährung	Wert/TWähr	Bezeichnung	Bezeichnung des Gegenkontos	type	Breakdown of costs (CHF)	origin of funds
62025	DBZ7117	31.07.2019	CHF	-6'631.80	EUR	-6'000.00	FEMS Western Gateway - Grant	Verr.kto 1000 / 90DM	FEMS Meeting Organizer Grant	-6'631.80	FEMS
62025	DBZ7117	15.05.2019	CHF	-3'392.10	EUR	-3'000.00	GSK Biologicals SA Rixensart	Ver.Univerm.BKB EUR	GSK Vaccines conference support	-3'392.10	GSK
60020	DBZ7117	11.09.2019	CHF	-3'282.90	EUR	-3'000.00	EMBO Genf - div. Kosten	Verr.kto 1000 / 90DM	EMBO YIP conference grant	-3'282.90	EMBO
67680	DBZ7117	09.04.2019	CHF	-2'500.00	CHF	-2'500.00	Beitrag Biozentrum	Verr.kto 90DM / 10BZ	Biozentrum support	-2'500.00	Biozentrum
67600	DBZ7117	15.11.2018	CHF	-2'206.52	CHF	-2'206.52	Saldo DBZ6909 Uebertrag	Saldenübertr. DM	Biozentrum support	-2'206.52	Biozentrum
62025	DBZ7117	04.06.2019	CHF	-1'500.00	CHF	-1'500.00	059 Nanion Technologies GmbH D-München	Verr.kto 1000 / 90DM	Sponsor booth support	-1'500.00	Nanion
62025	DBZ7117	28.05.2019	CHF	-1'000.00	CHF	-1'000.00	056 Nikon GmbH Egg b. Zürich	Verr.kto 1000 / 90DM	Private sponsor	-1'000.00	Nikon
60020	DBZ7117	30.08.2019	CHF	-884.24	EUR	-800.00	The European Molecular Biology - EMBO Kosten	Verr.kto 1000 / 90DM	EMBO YIP talk support	-884.24	EMBO YIP
60030	DBZ7117	06.09.2019	CHF	-705.95	EUR	-648.61	ETOX19 EMBO Genf - RZ Kosten Rappuoli	Verr.kto 1000 / 90DM	EMBO Keynote support	-705.95	EMBO Keynote
60021	DBZ7117	04.06.2019	CHF	-650.00	CHF	-650.00	059 Nanion Technologies GmbH D-München	Verr.kto 1000 / 90DM	Sponsor booth support	-650.00	Nanion
62025	DBZ7117	14.08.2019	CHF	-500.00	CHF	-500.00	062 MDPI Branch Office	Verr.kto 1000 / 90DM	Sponsor Award support	-500.00	Toxins
62025	DBZ7117	22.07.2019	CHF	-500.00	CHF	-500.00	058 F.Hoffmann-La Roche Ltd. Basel	Verr.kto 1000 / 90DM	Roche conference support	-500.00	Roche
48010	DBZ7117	08.08.2019	CHF	-50.00	CHF	-50.00	Stipendium Etox Restgeld	Verr.kto 90DM / 10BZ	Junior fellow	-50.00	Biozentrum
47010	DBZ7117	20.08.2019	CHF	37.50	CHF	37.50	Pinnadeln und Poster Strips für ETOX19	Verr.kto 90DM / 10BZ	organization	36.10	Nikon
										1.40	Biozentrum
48010	DBZ7117	13.08.2018	CHF	56.00	CHF	56.00	Reise vom 16.02.18 bis 16.02.18 nach Engelberg	Verr.kto 90DM / 10BZ	organization	56.00	Nikon
47010	DBZ7117	12.08.2019	CHF	69.40	CHF	69.40	Spesen Juni 2019, Adhesive strips	Verr.kto 1000 / 90DM	organization	69.40	Nikon
48020	DBZ7117	13.08.2018	CHF	91.50	CHF	91.50	Reise vom 28.01.18 bis 28.01.18 nach CH-Weggis, V	Verr.kto 90DM / 10BZ	organization	91.50	Biozentrum
48020	DBZ7117	14.05.2019	CHF	100.60	CHF	100.60	BZ4101 EK 02.05.19, Advertiment Springer Nature	Verr.kto 1000 / 90DM	organization	100.60	Nikon
48010	DBZ7117	13.08.2018	CHF	126.00	CHF	126.00	Reise vom 16.03.18 bis 16.03.18 nach Bussang/FR	Verr.kto 90DM / 10BZ	organization	126.00	Nikon
48010	DBZ7117	17.07.2019	CHF	132.00	CHF	132.00	Reise vom 22.06.19 bis 23.06.19 nach Davos Platz	Verr.kto 90DM / 10BZ	organization	132.00	Nikon
48010	DBZ7117	13.08.2018	CHF	150.50	CHF	150.50	Reise vom 17.03.18 bis 17.03.18 nach Titisee & Sc	Verr.kto 90DM / 10BZ	organization	150.50	Nikon
48020	DBZ7117	17.07.2019	CHF	160.00	CHF	160.00	Reise vom 21.06.19 bis 26.06.19 nach Davos	Verr.kto 90DM / 10BZ	organization	160.00	Nikon
48010	DBZ7117	13.08.2018	CHF	169.40	CHF	169.40	Reise vom 08.02.18 bis 08.02.18 nach CH-Unteraege	Verr.kto 90DM / 10BZ	organization	169.40	Nikon
48010	DBZ7117	13.08.2018	CHF	169.40	CHF	169.40	Reise vom 16.05.18 bis 16.05.18 nach Gérardmer &	Verr.kto 90DM / 10BZ	organization	169.40	Nanion
30199	DBZ7117	25.07.2019	CHF	171.25	CHF	171.25	BZ4101 EK 01.07.19, Web/Email hosting etox19	Verr.kto 1000 / 90DM	organization	171.25	Nanion

48010	DBZ7117	13.08.2018	CHF	182.00	CHF	182.00	Reise vom 28.01.18 bis 28.01.18 nach CH-Weggis, V	Verr.kto 90DM / 10BZ	organization	182.00	Nanion
30199	DBZ7117	27.08.2018	CHF	195.00	CHF	195.00	ETOX19 Web bundle	Basler Marek	organization	189.15	Nanion
										5.85	Biozentrum
48010	DBZ7117	13.08.2018	CHF	197.40	CHF	197.40	Reise vom 21.02.18 bis 21.02.18 nach Nottwil, Emm	Verr.kto 90DM / 10BZ	organization	197.40	Nanion
48010	DBZ7117	13.08.2018	CHF	199.50	CHF	199.50	Reise vom 30.03.18 bis 30.03.18 nach CH-Morschach	Verr.kto 90DM / 10BZ	organization	199.50	Nanion
48010	DBZ7117	13.08.2019	CHF	200.80	CHF	200.80	Bahn Lausanne - Davos	Broz Petr	Speaker travel	200.80	Biozentrum
48010	DBZ7117	14.08.2018	CHF	225.00	CHF	225.00	Reise vom 06.06.18 bis 06.06.18 nach CH-Davos	Verr.kto 90DM / 10BZ	organization	225.00	Nanion
48010	DBZ7117	13.08.2018	CHF	286.30	CHF	286.30	Reise vom 02.05.18 bis 02.05.18 nach Malbun	Verr.kto 90DM / 10BZ	organization	286.30	Nanion
48010	DBZ7117	24.07.2019	CHF	300.00	CHF	300.00	300CHF Stipendium Etox	Verr.kto 90DM / 10BZ	Junior fellow	300.00	FEMS
48010	DBZ7117	13.08.2019	CHF	303.14	EUR	278.29	Train Zürich-Davos, Taxi Aifare London-Zürich	Alain Filloux Prof.	Speaker travel	303.14	Biozentrum
30199	DBZ7117	05.07.2019	CHF	330.00	CHF	330.00	Führung 24.06.19 in Englisch	Ernst Ludwig Kirchner Stiftung Davo	organization	330.00	Nanion
48010	DBZ7117	13.08.2019	CHF	371.36	EUR	340.92	Bahn Paris-Zürich retour	Jost Enninga	Speaker travel	371.36	Biozentrum
48010	DBZ7117	13.08.2019	CHF	455.00	CHF	455.00	Bahn Zürich - Davos retour	Raviglione Mario	Speaker travel	455.00	Biozentrum
48010	DBZ7117	13.08.2019	CHF	475.75	GBP	383.20	Flug London - Zürich, Bahn Zürich - Davos	Nigel Minton	Speaker travel	475.75	Biozentrum
48010	DBZ7117	14.08.2019	CHF	496.91	EUR	456.17	Flug Leipzig-Zürich, Bahn, Taxi	Bonas Ursula	Speaker travel	496.91	Biozentrum
49550	DBZ7117	12.08.2019	CHF	500.00	CHF	500.00	Spesen Juni 2019 Cash Bezüge	Verr.kto 1000 / 90DM	Award	500.00	Toxins
48010	DBZ7117	18.07.2019	CHF	508.50	GBP	410.00	Reisespesen Manchester-ZH f. Konf. in Davos	ElGhazaly Mohamed	Junior fellow	508.50	FEMS
48010	DBZ7117	23.07.2019	CHF	509.27	EUR	460.00	Spesen vom 22.06.-26.06.2019	Selkrig Joel	Junior fellow	509.27	FEMS
48010	DBZ7117	18.07.2019	CHF	509.67	GBP	410.00	Zug Sheffield-Manchester, Flug Macheater-ZH, Conf.	Ibler Angela	Junior fellow	509.67	FEMS
48010	DBZ7117	23.07.2019	CHF	515.96	SEK	4'919.68	Conference fees	Stockholm University	Junior fellow	515.96	FEMS
48010	DBZ7117	13.08.2019	CHF	568.61	GBP	479.61	Flug Newcastle - Zürich, Taxi, Bahn	Palmer Tracy	Speaker travel	568.61	Biozentrum
48010	DBZ7117	13.08.2019	CHF	582.11	ILS	2'084.75	Flug Tel Aviv-Zürich retour, Taxi	Verr.kto 90DM / 10BZ	Speaker travel	582.11	Biozentrum
48010	DBZ7117	18.07.2019	CHF	667.18	CAD	896.70	Flug Toronto-Copenhagen, Zug & Conf. Davos	Orrell Kathleen	Junior fellow	667.18	FEMS
48010	DBZ7117	23.07.2019	CHF	1'027.76	CZK	23'551.00	Spesen 26.06.2019	Sebo Peter	Junior fellow	1'027.76	FEMS
48010	DBZ7117	14.08.2019	CHF	1'391.38	USD	1'428.30	Flug Boston - Zürich retour	Hayes Christopher	Speaker travel	1'391.38	SSM
43012	DBZ7117	08.08.2019	CHF	1'602.00	CHF	1'602.00	Rg 84224, Add. costs 22.-26.06.19	Berghotel Schatzalp AG	organization	200.00	Nanion
									organization	1'402.00	EMBO
48020	DBZ7117	08.08.2019	CHF	1'675.00	CHF	1'675.00	Rg 84224, Add. costs 22.-26.06.19	Berghotel Schatzalp AG	organization	1'305.82	remaining deficit
									organization	369.18	Biozentrum
48010	DBZ7117	13.08.2019	CHF	2'400.18	USD	2'418.93	Retum Aifare Orange County-Zürich	Rongsheng Jin	Speaker travel	1'608.62	SSM
									Speaker travel	791.56	Biozentrum

48010	DBZ7117	24.07.2018	CHF	10'000.00	CHF	10'000.00	Prepayment Schatzalp	Berghotel Schatzalp AG	organization - speaker travel	3'392.10	GSK
										500.00	Roche
										2'593.46	FEMS
										884.24	EMBO YIP
										705.95	EMBO Keynote
										43.35	Biozentrum
										1'880.90	EMBO
Balance			CHF	4'305.82						4'305.82	