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Bienvenue à l'Assemblée générale de la DIAC et visite de l'entreprise Firmenich SA, à La Plaine



**le jeudi 6 avril 2017, dès 10h00
route de la Plaine 125, 1283 La Plaine**

06. April 2017



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Programme

- 10h00 Accueil – café
- 10h15 Firmenich: Introduction to its products and to the La Plaine Production Site
- 10.45 Manufacturing IT & Industry 4.0: Success factors for projects – practical examples
DSM Nutritional Products Ltd, Stephan Gentner, Responsable Développement des procédés & Engineering chez DSM
- 11.45 Assemblée générale 2017 de la DIAC
Inclus une présentation de L'ILMAC Lausanne du 4. et 5.Oct 2017 d. M. Michael Bonenberger
- 12.30 Repas de midi chez Firmenich SA
- 13.45 Visite des installations de production de Firmenich SA, au site de La Plaine
- 16.00 Synthèse et clôture de la journée



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Firmenich: Introduction to its products and to the La Plaine Production Site

Sébastien Balzano, Prod. Director & Deputy Plant Mgr





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«Manufacturing IT & Industry 4.0: success factors for projects – practical examples»

DSM Nutritional Products Ltd

**Stephan Gentner, Responsable Développement
des procédés & Engineering chez DSM**



Manufacturing IT & Industrie 4.0

Stephan Gentner
6th May 2017

HEALTH • NUTRITION • MATERIALS



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Assemblée Générale

1. Rapport annuel du président, «DIAC Annual Report»
2. Outlook 2017 (DIAC Symposium Fribourg 2017, Chimia edition 5/2018, Ilmac Lausanne, Atelier DIAC)
3. Info: ILMAC Lausanne 17,
M. Bonenberger, Exhibition Director
4. Information concernant nos comptes 2016
5. Budget 2017
6. Changement dans notre comité de direction:
Bienvenue à Urban Jenelten et remerciements à
Mauricio Ranzi
7. Divers et Motions



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1. DIAC Annual Report (1/6)

Annual Report 2016 and Outlook 2017

SCS Division of Industrial & Applied Chemistry

Dr. Bernhard Urwyler

Activities, Symposia, Conferences, Projects

The Annual Meeting of DIAC:

The 2016 annual DIAC meeting took place at BASF AG in Kaisten on April 7th. Mr. Kristian Hall, plant manager, welcomed the 30 DIAC members and presented the BASF chemical production plant in Kaisten.

All in all it was an impressive presentation of BASF's famous leitmotiv „We Create Chemistry“

The scientific presentation has been given by Dr. Andreas Brodthagen, BASF, Polymer Process Development. The topic of his contribution was Smart Scale Production, modular concepts used for new approaches in development and production of advanced polymer products.





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(DIAC Annual Report 2/6)

After an intense and interesting discussion as well as Q&A, BASF offered to all participants an excellent meal at the site restaurant.

Most of the visitors joined then the BASF site visit:

The highlight of the general Assemblée is always the site visit of a production plant. In this case it was one of the core production of the site, called Metilox plant. An impressive fully automated LEAN production of Metilox.

 **BASF**
We create chemistry

Unternehmen

Produkte & Branchen

Chemie, die verbindet

Kaisten

Sur le site de Kaisten, BASF produit essentiellement des additifs pour plastiques, dont de gros volumes d'antioxydants. La division Construction Chemicals est également active sur ce site.



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(DIAC Annual Report 3/6)

ILMAC participation and special CHIMIA Issue:



With the lead of the SCG and in close collaboration with ILMAC and the partners such as SVC, SGVC, and DIAC, we participated at the so called “lunch & learning” sessions, that have been organised with several presentations during lunch on Friday the 23rd of September. Stephan Gentner from the DIAC board, presented a real case from DSM and got good response from the audience.



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DIAC Annual Report (4/6)

CHIMIA special Issue: DIAC published also articles in the CHIMIA special issue from September 2016.

DIVISION OF INDUSTRIAL AND APPLIED CHEMISTRY: GAME CHANGING INNOVATION IN CHEMICAL PRODUCTION

CHIMIA 2016, 70, No. 9 593

Editorial



Xenia Beyrich-Graf

Game Changing Innovation in Chemical Production Methods, Concepts & Examples

This special issue dealing with game changing innovations in chemical production has been compiled by the Division of Industrial and Applied Chemistry (DIAC). The DIAC is a forum for chemists, chemical engineers and process engineers interested in industrial chemistry, chemical production, development and related fields. Our goal is to promote industrial chemistry and chemical process technology in all fields of chemical development and production. We want to highlight the importance of chemical production and process development and provide a network for knowledge transfer and discussion and for interdisciplinary collaborations.

The Swiss chemical industry needs to continuously innovate to maintain the competitiveness of its chemical production in Switzerland. But what does the term game changing really mean? One would expect fundamentally new chemical processes or manufacturing approaches. Game changing processes in the chemical industry usually require new plants, for which the investment must yield an acceptable payback. Often this cannot be achieved and then companies prefer to further optimize their existing process technology.

The game changers in this issue rather lie in the combination of efficiency improvement methods



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DIAC Annual Report (5/6)

First SICS Symposium 2016

The First Swiss Industrial Chemistry Symposium (SICS Symposium) took place on Friday October of 28th at the University of Basel. The new event was a pilot for a joint Symposium of the SCS-DIAC, University of Basel and several representatives of Process-Research groups from Novartis, Roche, Syngenta and Basler University.

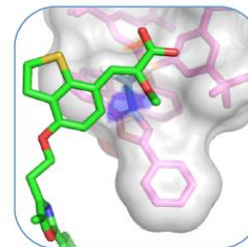
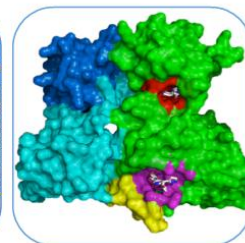
More than 200 participants were attending the meeting with focus on process research. The feedback was very positive and a next SIC-Symposium will be planned in 2018.

The SICS is a new, one-day symposium with lectures, short talks and a panel discussions of industrial chemists working in R&D in Switzerland. The symposium offers a unique platform for industrial scientists, working in research and process research, to present their latest results, to interact with each other and to network with professors, PhD students and other scientific staff of Swiss universities.

Swiss Chemical Society (SCS)

1st Swiss Industrial Chemistry Symposium, SICS 2016

October 28, 2016, 08.30 - 18.00
University of Basel
Grosser Hörsaal OC, St. Johannis-Ring 19



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Haus der Akademien
Laupenstrasse 7
3008 Bern



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DIAC Annual Report 6/6

Annual DIAC- board workshop at Vitznau (LU):

The annual workshop took place from October 20th to 22nd in Vitznau (LU). The DIAC board reviewed the past year and prepared the activities for next year 2017 and beyond. (See outlook, next slide).



Changes in the Board

Mauricio Ranzi, CEO of CIMO SA, Monthey, left the DIAC board, end of the year 2016, All other actual DIAC board members granted another year, working in the SCS-DIAC board. We have the pleasure to welcome Urban Jenelten from Firmenich SA, he has accepted to replace Mauricio Ranzi.

Urban Jenelten is director of Process Optimization and New Technology & Pilot Plant/Small Scale Production, at Firmenich SA.





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Urban JENELTEN

geboren am 3. April 1966 in Brig, Kt. Wallis

1992 Dipl. Verfahreningenieur (ETHZ)

1996 M.Sc. Chemical Engineering focus Bio-technology – Rensselaer Polytechnic Institute, Troy, NY, United States

1992 Process Engineer, Von Roll Umwelttechnik AG, Zürich

1997 Separation Engineer & Biotechnology Pilot Plant Manager, Corporate R&D, Biotechnology, Firmenich

2001 Director Process Science, Corporate R&D, Biotechnology Firmenich

2013 Director Process Optimization and New Technology, Corporate R&D, Synthesis, Firmenich

2014 Director Process Optimization and New Technology & Pilot Plant/Small Scale Production, Corporate R&D, Synthesis, Firmenich

Verheiratet, ein Sohn und eine Tochter

Hobbies: Skifahren, Berge, Velo & Fotographie





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2. Outlook 2017

Annual DIAC Meeting of 2017 takes place at Firmenich SA in La Plaine (GE) on April 6th.

FH visits and discussions with young chemists of 2016 had to be postponed to autumn 2017: Open sessions will be planned at the FH MuttENZ, where we will invite young students to a DIAC presentation and discussion.

Freiburger Symposium 11.-12.5. 2017: Green Chemistry -- From Concept to Industrial Reality. The key note lecture will be held by **Markus Blocher CEO Dottikon ES**, (see program of next slide)

For the first time, the Sandmeyer Price celebration ceremony will take place at the Freiburger Symposium, including lectures given by the winners.

ILMAC Lausanne (Lunch and learn sessions as an option)

Special issue CHIMIA: As every second year, DIAC plans to issue CHIMIA of May 2018, Title: "Quality in production as advantage of location"



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□ 13. Freiburger Symposium 2017

Please reserve the date: 11./12. May 2017

13. Freiburger Symposium
Industrial and Applied Chemistry

Green Chemistry –
from Concept to Industrial
Reality

11/12 May 2017
School of Engineering & Architecture
of Fribourg



Urwyler Bernhard



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Thursday, 11 May 2017

09.00	Door opening – Opening of the symposium's reception desk, Coffee
09.30	Opening of the 13. Freiburger Symposium Address of welcome by Dr. Roger Marti , HTA-FR Dr. Bernhard Urwyler – Board Director of DIAC Dr. Kerstin Bodmann – Introduction to the program
09.45	<i>Automatic Synthetic Design with Chematica</i> Prof. Bartosz A. Grzybowski , Distinguished Professor of Chemistry and IBS Group Leader, UNIST, South Korea
10.30	<i>New Dimensions in Process Innovation as Enabler for Green Chemistry</i> Dr. Olaf Wachsen , Clariant Produkte (Deutschland) GmbH
11.15	Le verre de l'amitié
11.45	<i>3 Ways to Efficiently Develop Green Crystallization Processes</i> Dr. Levente Simon , BASF Schweiz AG
12.45	Lunch break
14.00	<i>Homogeneous Catalytic Hydrogenation Reactions towards Fragrance and Flavor Industrial Applications</i> Dr. Philippe Dupau , Firmenich SA
14.45	<i>Chlorination and Sulfonation Chemistry – More Sustainable Approaches</i> Dr. Jörg Schrickel , CABB AG
15.30	Coffee break
15.45	<i>Alternative Solvents: from a Compliance-driven Activity to a Trigger for Innovation</i> Dr. Fabrice Gallou , Novartis Pharma AG
16.30	<i>Keynote Lecture: Be Greener by Using Hazardous Reactions</i> Dr. Markus Blocher , Dottikon Exclusive Synthesis AG
19.00	Aperitif and Symposium Dinner

Friday, 12 May 2017

08.30	Door opening – Opening of the symposium's reception desk, Coffee
09.00	Sandmeyer Award Lecture 2017 <i>Efficient Industrial Synthesis of Idasanutlin via a Cu(I)-catalyzed [3+2] Asymmetric Cycloaddition</i> Dr. Stefan Hildbrand , F. Hoffmann-La Roche Ltd. Dr. Daniel Fishlock , F. Hoffmann-La Roche Ltd.
10.00	Sandmeyer Award Lecture 2016 <i>Development of Commercial Organic Additives for the Grinding of Inorganic Solids</i> Dr. Martin Weibel , Sika Technology AG, Zurich Prof. Hendrik Heinz , University of Colorado Boulder, USA Dr. Ratan K. Mishra , Inst. for Building Materials, ETH Zurich
10.45	Coffee break
11.15	<i>CleanCow: A Methane Mitigation Strategy</i> Dr. Maik Kindermann , DSM Nutritional Products Dr. Daniel Lumpi , DSM Nutritional Products
12.00	<i>Synthetic Biology – Sesquiterpenes Production via Microbial Fermentation</i> Dr. Laurent Daviet , Firmenich SA
12.45	Lunch break
14.00	<i>Avoid, Reduce, Recycle – Efficiency and Recovery of Energy from Waste</i> Dr.-Ing. Anna Fellenberg , Lonza AG
14.45	<i>Innovative Solution of a Continuous Process Optimized regarding Waste, Energy Consumption and Capacity Optimization</i> Laure Deslarzes , Syngenta Crop Protection Monthey
15.30	Additional contribution (not yet confirmed)
16.15	Closure of the Symposium



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3. Info: ILMAC Lausanne, Exhibition Director: M. Bonenberger,

ILMAC

Du 24 au 27 septembre 2019

ILMAC LAUSANNE

Dossier exposant

voir ILMAC LAUSANNE

Good to know

Exposants et produits 2016

Save the Date 2019

News

Communiqués de presse

Images 2016

A propos d'ILMAC

Exposants

Visiteurs

Médias

ILMAC24



Plus



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4. Kostenstellenrechnung DIAC 2016

Vermögensvortrag 1.1.2016

268'650.09 CHF

Einnahmen

CHF

Mitgliederbeiträge

6'520.00

Pauschalbeitrag SCG

6'800.00

13'320.00 CHF

Ausgaben

CHF

Verrechnung interne Leistungen SCG

638.25

Unterstützungsbeiträge

1'000.00

Reise- und Versammlungsspesen

5'985.48

Dienstleistungen TREUA/REVITREU

2'050.00

9'673.75 CHF

Einnahmenüberschuss

3'646.27 CHF

Vortrag auf Rechnung 2017

272'296.36 CHF



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5. Budget 2017

Einnahmen

	<u>CHF</u>	
Mitgliederbeiträge	7'900.00	
Pauschalbeitrag SCG	6'800.00	
FS-2017 (Teilnehmergebühren)	40'000.00	
FS-2017 (Sponsoring Industrie)	<u>11'000.00</u>	65'700.00 CHF

Ausgaben

	<u>CHF</u>	
FS-2017 (Organisationskosten)	25'000.00	
FS-2017 (Rednerhonorare)	7'000.00	
FS-2017 (Drucksachen, Werbung)	3'000.00	
Sandmeyer Preis 2017	20'000.00	
Verrechnung interne Leistungen SCG	2'050.00	
Unterstützungsbeiträge	500.00	
Reise- und Versammlungsspesen	6'500.00	
Dienstleistungen TREUA/REVITREU	<u>2'000.00</u>	65'550.00 CHF

Einnahmenüberschuss

150 CHF



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6. Comité de la Direction:

**Pas des élections dans les années
impaires!**

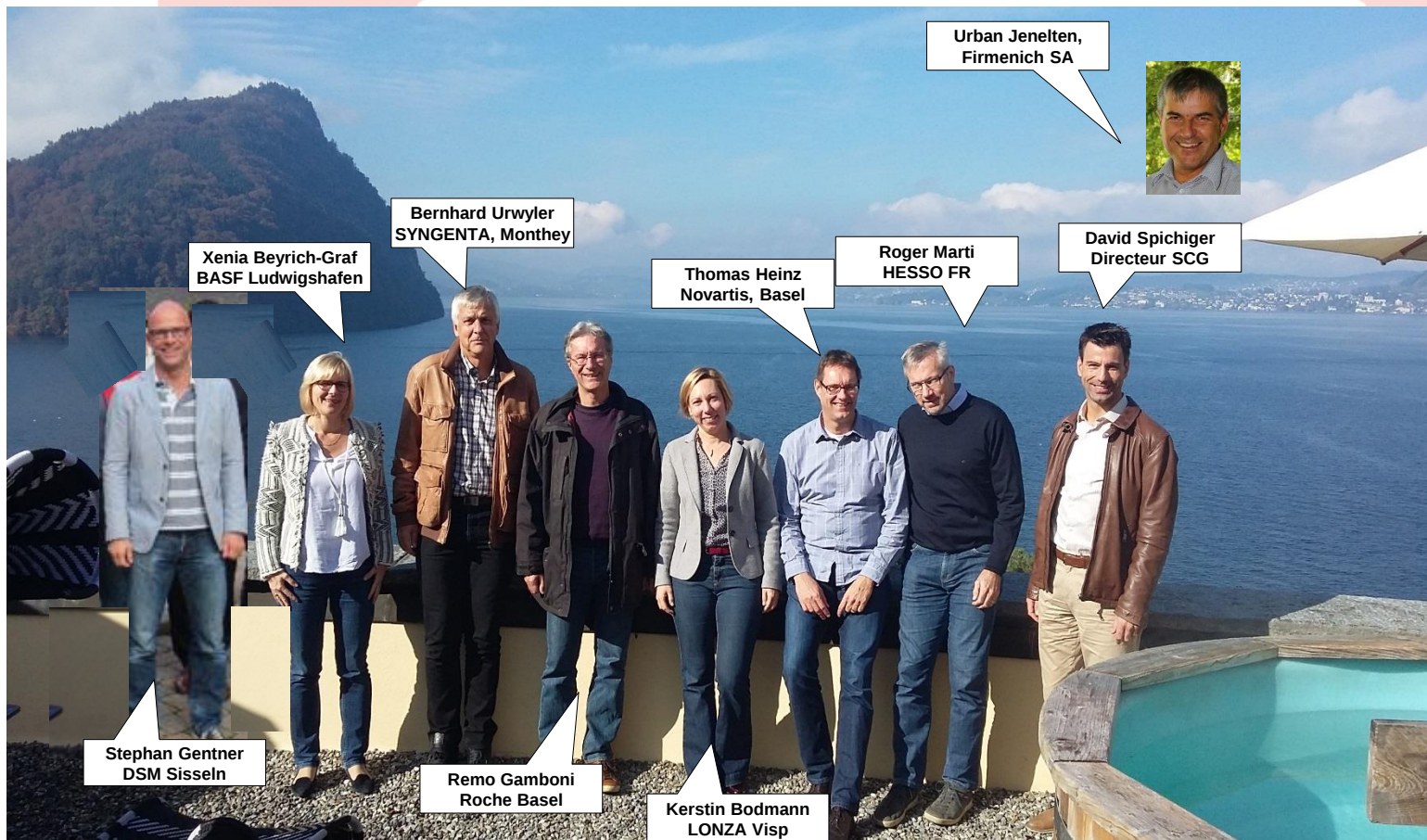
La direction de la DIAC depuis fin 2016:



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v.l.n.r. Stephan
Gentner, Xenia
Beyrich-Graf,
Bernhard Urwyler,
Remo Gamboni,
Kerstin Bodmann,
Thomas Heinz, Roger
Marti, David
Spichiger SCS, neu
Urban Jenelten



DIAC CODIR, au Workshop à Vitznau Oct. 2016.



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7. Divers et Motions

Il n'y a aucune motion rapportée



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Un grand Merci pour:

- ☐ Firmenich et leur accueil chaleureux, spécialement pour Sébastien Balzano, Caroline Schneider et Urban Jenelten
- ☐ Stephan Gentner, pour sa contribution intéressante «Manufacturing IT & Industry 4.0: Success factors for projects – practical examples»
- ☐ Michael Bonenberger, de l'ILMAC
- ☐ Mes collègues de la direction DIAC
- ☐ Vous tous, nos participants et visiteurs de l'assemblée de la DIAC.