

Publications

Original articles:

CA = corresponding author

1. S.M.S. Jafari, K. Gadaldi, L. Feldmeyer, N. Yawalkar, L. Borradori, **C. Schlapbach**
Effects of omalizumab on FcεRI and IgE expression in lesional skin of bullous pemphigoid
Frontiers in Immunology, 2019
 2. C. Micossé, L. v. Meyenn, C. Adam, C. Simillion, S.M.S. Jafari, P. Olah, N. Yawalkar, D. Simon, L. Borradori, S. Kuchen, B. Homey, B. Snijder, M. Schmidt, D. Yerly, **C. Schlapbach**
Human "T_H9" cells are a subpopulation of PPAR-γ⁺ T_H2 cells
Science Immunology, 2019
 3. T. Hartwig, P. Zwicky, B. Schreiner, N. Yawalkar, P. Cheng, A. Navarini, R. Dummer, L. Flatz, C. Conrad, **C. Schlapbach**, B. Becher
Regulatory T cells restrain pathogenic T helper cells during skin inflammation
Cell Reports, 2018
 4. R. Thomi, **C. Schlapbach**, N. Yawalkar, D. Simon, D. Yerly, R. E. Hunger
Elevated levels of the antimicrobial peptide LL-37 in hidradenitis suppurativa are associated with a Th1/Th17 immune response
Experimental Dermatology, 2018
 5. R. Thomi, D. Yerly, N. Yawalkar, D. Simon, **C. Schlapbach**, R. E. Hunger
Increased expression of the interleukin-36 cytokines in lesions of hidradenitis suppurativa
Journal of the European Academy of Dermatology & Venereology, 2017
 6. R. Thomi, D. Yerly, N. Yawalkar, D. Simon, **C. Schlapbach**, R. E. Hunger
Interleukin-32 is highly expressed in lesions of hidradenitis suppurativa
British Journal of Dermatology, 2017
 7. Weber B, **Schlapbach C**, Stuck M, Simon HU, Borradori L, Beltraminelli H, Simon D
Distinct interferon-gamma and interleukin-9 expression in cutaneous and oral lichen planus
Journal of the European Academy of Dermatology & Venereology, 2016
 8. Kleffel S, Posch C, Barthel SR, Mueller H, **Schlapbach C**, Guenova E, Elco CP, Lee N, Juneja VR, Zhan Q, Lian CG, Thomi R, Hoetzenecker W, Cozzio A, Dummer R, Mihm MC Jr, Flaherty KT, Frank MH, Murphy GF, Sharpe AH, Kupper TS, Schatton T.
Melanoma Cell-Intrinsic PD-1 Receptor Functions Promote Tumor Growth.
Cell, 2015
 9. Schatton T, Yang J, Kleffel S, Uehara M, Barthel SR, **Schlapbach C**, Zhan Q, Dudeney S, Mueller H, Lee N, de Vries JC, Meier B, Vander Beken S, Kluth MA, Ganss C, Sharpe AH, Waaga-Gasser AM, Sayegh MH, Abdi R, Scharffetter-Kochanek K, Murphy GF, Kupper TS, Frank NY, Frank MH.
ABC5 Identifies Immunoregulatory Dermal Cells
Cell Reports, 2015
 10. F. Moalli, S.T. Proulx, R. Schwenderer, M. Detmar, **C. Schlapbach**, J.V. Stein
Intravital and whole-organ imaging reveals capture of melanoma-derived antigen by lymph node subcapsular macrophages leading to widespread deposition on follicular dendritic cells
Frontiers in Immunology, 2015
 11. R. Watanabe, A. Gehad, C. Yang, L. Campbell, J.E. Teague, **C. Schlapbach**, C. Elco, V. Huang, T.S. Kupper, R.A. Clark
Human skin is protected by four functionally and phenotypically discrete populations of resident and recirculating memory T cells
Science translational medicine, 2015
 12. N. Wuillemin, L. Terracciano, H. Beltraminelli, **C. Schlapbach**, S. Fontana, S. Krähenbühl, W.J. Pichler, D. Yerly
*T cells infiltrate the liver and kill hepatocytes in HLA-B*57:01 associated flucloxacillin-induced liver injury*
American Journal of Pathology, 2014.
 13. M. Kakeda, M. Arock, **C. Schlapbach**^{CA}, N. Yawalkar
Increased expression of heat shock protein 90 in keratinocytes and mast cells in psoriasis
Journal of the American Academy of Dermatology, 2014.
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14. **C. Schlapbach**, C. Yang, R. Watanabe, A. Gehad, E. Guenova, J. Teague, N. Yawalkar, T.S. Kupper, R.A. Clark
Human T_H9 cells are skin-tropic and have autocrine and paracrine pro-inflammatory capacity
Science translational medicine, 2014.
 15. A.L. Gerber, A. Münst, **C. Schlapbach**, M. Shafighi, D. Kiermeir, R. Hüsler, R.E. Hunger
High expression of FoxP3 in primary melanoma is associated with tumor progression
British Journal of Dermatology, 2013.
 16. E. Guenova, R. Watanabe, J. Desimone, J. Teague, Y. Jiang, M. Dowlatshahi, A. Gehad, **C. Schlapbach**, K. Schaeckel, A. Rook, M. Tawa, D. Fisher, T. Kupper, R. Clark
Th2 cytokines from malignant cells suppress Th1 responses and enforce a global Th2 bias in leukemic cutaneous T cell lymphoma
Clinical Cancer Research, 2013.
 17. Purwar, R., **C. Schlapbach**, S. Xiao, H.S. Kang, W. Elyaman, X. Jiang, A.M. Jetten, S.J. Khoury, R.C. Fuhlbrigge, V.K. Kuchroo, R.A. Clark, T.S. Kupper
Robust tumor immunity to melanoma mediated by interleukin-9-producing T cells
Nature medicine, 2012.
 18. Clark, R.A., R. Watanabe, J.E. Teague, **C. Schlapbach**, M.C. Tawa, N. Adams, A.A. Dorosario, K.S. Chaney, C.S. Cutler, N.R. Leboeuf, J.B. Carter, D.C. Fisher, T.S. Kupper
Skin effector memory T cells do not recirculate and provide immune protection in alemtuzumab-treated CTCL patients.
Science translational medicine, 2012.
 19. **C. Schlapbach**, Zawodniak, A., Irla, N., Adam, J., Hunger, R.E., Yerly, D., Pichler, W.J., and Yawalkar, N.
NKp46⁺ cells express granulysin in multiple cutaneous adverse drug reactions.
Allergy, 2011.
 20. **C. Schlapbach**, Hanni, T., Yawalkar, N., and Hunger, R.E.
Expression of the IL-23/Th17 pathway in lesions of hidradenitis suppurativa.
Journal of the American Academy of Dermatology, 2011.
 21. **C. Schlapbach**, Yerly, D., Daubner, B., Yawalkar, N., and Hunger, R.E.
Telomerase-specific GV1001 peptide vaccination fails to induce objective tumor response in patients with cutaneous T cell lymphoma.
Journal of Dermatological Science, 2011.
 22. **C. Schlapbach**, Ochsenbein, A., Kaelin, U., Hassan, A.S., Hunger, R.E., and Yawalkar, N.
High numbers of DC-SIGN⁺ dendritic cells in lesional skin of cutaneous T-cell lymphoma.
Journal of the American Academy of Dermatology, 2010.
 23. **C. Schlapbach**, Yawalkar, N., and Hunger, R.E.
Human beta-defensin-2 and psoriasin are overexpressed in lesions of acne inversa.
Journal of the American Academy of Dermatology, 2009.
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Concise Communications/Brief reports:

CA = corresponding author, EC = equally contributed

1. R. Thomi, S. Cazzaniga, S.M. Seyed Jafari, **C. Schlapbach**, R.E. Hunger
Association of Hidradenitis Suppurativa With T Helper 1/T Helper 17 Phenotypes: A Semantic Map Analysis.
JAMA Dermatology, 2018
2. M. Kakeda^{EC}, **C. Schlapbach**^{EC,CA}, G. Danelon^{EC}, MM. Tang, V. Cecchinato, N. Yawalkar, and M. Uguccioni
Innate immune cells express IL-17A/F in acute generalized exanthematous pustulosis and generalized pustular psoriasis
Archives of Dermatological Research, 2014

Letters to the editor / Observations / Brief reports / Case reports:

- Thomi R, Cazzaniga S, Seyed Jafari SM, **Schlapbach C**, Hunger RE
Association of Hidradenitis Suppurativa With T Helper 1/T Helper 17 Phenotypes: A Semantic Map Analysis
JAMA Dermatology 2018
- Bürgler C, **Schlapbach C**, Feldmeyer L, Haneke E.
Multiple acantholytic dyskeratotic acanthomas in an organ transplant recipient.
JAAD Case Reports, 2018
- C. Houriet, S. M.S. Jafari, R. Thomi, **C. Schlapbach**, L. Borradori, N. Yawalkar, R.E. Hunger
Canakinumab for severe hidradenitis suppurativa: preliminary experience in two cases (Brief report)
JAMA Dermatology, 2017
- **C. Schlapbach**, P. Sendi
The Serrated Marine Nose. (Images in Clinical Medicine)
New England Journal of Medicine, 2017
- A.A. Navarini, M.A. Simpson, L. Borradori, N. Yawalkar, **C. Schlapbach**
Homozygous missense mutation in IL36RN in generalized pustular dermatosis compatible with both AGEP and generalized pustular psoriasis. (Observation)
JAMA Dermatology, 2014
- H. Tang, **C. Schlapbach**, A.S. Hassan, D. Simon, and N. Yawalkar
Characterization of dendritic cells and macrophages in irritant contact dermatitis. (Letter to the editor)
Journal of Dermatological Science, 2010

Review articles

- L. von Meyenn, N.L. Bertschi, **C. Schlapbach**
Targeting T cell metabolism in inflammatory skin disease
Frontiers in Immunology, in press
- C. Kromer, M. Fabri, **C. Schlapbach**, M.H. Schulze, U. Gross, M.P. Schön, T. Buhl
Diagnosis of mycobacterial skin infections
Journal Deutsche Dermatologische Gesellschaft (JDDG), in press
- Clark RA, **Schlapbach C.**
T_H9 cells in skin disorders.
Seminars in Immunopathology, 2017
- **C. Schlapbach**, A.A. Navarini
The expanding family of targeted therapies in inflammatory skin disease
Seminars in Immunopathology, 2015
- **C. Schlapbach**, D. Simon
Update on skin allergy
Allergy, 2014

Invited articles

- C. Houriet, E. Haneke, **C. Schlapbach**, L. Borradori, N. Pelivani
Hautmanifestationen bei inneren Erkrankungen
Swiss Medical Forum, 2013
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References to publications by CS

- Elisabeth Kugelberg
“Th9 cells creep under the skin”, *Research Highlights in Nature Reviews Immunology*, Vol. 14, March 2014
- F1000 prime – Article recommendations:
 - o *Human T_H9 cells are skin-tropic and have autocrine and paracrine pro-inflammatory capacity*, *Sci transl med*, 2014 - Michelle Lowes with Jamie Lynn Harden, *recommendation: Exceptional*.
 - o *NKp46+ cells express granulysin in multiple cutaneous adverse drug reactions*, *Allergy*, 2011 – Luigi Naldi, *recommendation: Good*
 - o *Human beta-defensin-2 and psoriasin are overexpressed in lesions of acne inversa*, *JAAD*, 2009 Ralf Paus et al., *recommendation: Good*

Invited lectures C. Schlapbach (selection)

- Gordon Research Conference, Ventura, USA; 01/2020: *PPAR γ + T_H2 cells*.
- Annual congress of the ESDR, Bordeaux, 09/2019: *PPAR γ regulates skin-tropic T_H2 cells*.
- Annual congress of the SSAI, Lugano, 09/2019: *Subsets of Th2 cells*.
- Annual congress of the German Assoc. of Dermatologists (DDG), Berlin, 04/2017: *Clinical importance of skin-resident T cells*.
- Annual meeting of the ESDR, Munich, 09/2016: *Neutrophil skin inflammation in health and disease*.
- Annual meeting of the ESDR, Munich, 09/2016: *The definition of T helper cell subsets – an object lesson in philosophy of science*.
- 6th Drug Hypersensitivity Meeting, Bern, April 2014: *Skin resident T cells: Evidence in mice and men*
- Annual meeting of the Swiss Society of Dermatology (SGDV); Basel, Switzerland, 2014: *Skin resident T cells: Why they matter to us dermatologists*.
- Joint CME event of the Universities Basel, Bern, Zürich; Bern: 06/2014, 05/2017, 02/2019: Selected Topics in clinical and translational dermatology.

Oral presentations (selection):

- **C. Schlapbach**: *IL-9 expression is an activation-dependent and transient condition of T_H2 cells*
Annual meeting of the ESDR, Munich, 09/2016
- C. Micossé, **C. Schlapbach**: *Human T_H9 cells: A subset of skin-tropic T_H cells with proinflammatory capacity*
World Immune Regulation Meeting, Davos, 03/2015
- C. Micossé, **C. Schlapbach**: *Human Th9 cells – a unique and stable population of skin-homing T cells*
Research seminar at the Dept. of Dermatology, Kyoto University, Kyoto, Japan. 10/2014
- **C. Schlapbach**:
EADV scientific meeting at the IRB; Bellinzona, Switzerland. 11/2012
 - 11/2012: *Human Th9 cells – a unique population of skin-homing and skin-resident T cells*
 - 12/2014: *Skin resident T cells – What dermatologists need to know*
- **C. Schlapbach**, E. Guenova, A. Gehad, R. Watanabe, J. Teague, T. S. Kupper, R. A. Clark.
The majority of human peripheral blood Th9 cells are tropic for the skin.
Annual meeting of the Society of Investigative Dermatology; Raleigh, USA. 05/2012
- **C. Schlapbach**, A. Zawodniak, G. Porebski D. Yerly, N. Irla, W. J. Pichler, N. Yawalkar.
NK cells and cytotoxic T cells express granulysin in multiple cutaneous drug reactions.
Annual meeting of the Swiss Society of Dermatology (SGDV); Basel, Switzerland. 09/2010

Posters (selection):

- L. von Meyenn, C. Micossé, C. Adam, B. Homey, D. Simon, B. Snijder, M. Schmidt, C. Schlapbach
IL-9-producing T helper cells are a subpopulation of PPAR γ ⁺ T_H2 cells
Annual meeting of the ADF, München, 03/2019
 - C. Micossé, L. von Meyenn, S.M. Seyed Jafari, L. Borradori, B. Homey, B. Snijder & **C. Schlapbach**
TGF- β - and IL-4-induced PPAR- γ promotes IL-9 expression in human T_H2 cells
International Investigative Dermatology, Orlando, 05/2018
 - C. Micossé, A.P. Frei, L. von Meyenn, C. Simillion, E. Guenova, L. Borradori, D. Simon, D. Yerly, **C. Schlapbach**
The “T_H9” phenotype is an activation-dependent and transient condition of T_H2 cells
World Immune Regulation Meeting, Davos, 03/2017
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- A. Gehad, J. O'Malley, **C. Schlapbach**, T. Matos, J. Teague, V. Huang, E. Lowry, J. Krueger, T.S. Kupper, R.A. Clark. *A pathogenic role for IL-9 in psoriasis: IL-9 producing T cells are frequent in human psoriasis and IL-9 enhances dermatitis in two IL-17 dependent mouse models of psoriasiform dermatitis*. Annual meeting of the Society of Investigative Society, Atlanta, 05/2015
 - A.A. Navarini, N. Yawalkar, **C. Schlapbach**. *Homozygous missense mutation in IL36RN in generalized pustular dermatosis compatible with both AGEp and generalized pustular psoriasis*. Annual meeting of the European Society for Dermatological Research (ESDR), Copenhagen, 09/2014
 - J. Adam, N. Wuillemin, D. Yerly, K. Schnyder, W.J. Pichler, N. Yawalkar, **C. Schlapbach**. *Possible involvement of Ambroxol as trigger of an EEM/SJS overlap*. Annual meeting of the Swiss Society of Dermatology & Venerology (SGDV); Montreux, 09/2013
 - **C. Schlapbach**, C. Yang, R. Watanabe, A. Gehad, E. Guenova, J. Teague, N. Yawalkar, T.S. Kupper, and R.A. Clark. *Human Th9 cells: a novel skin homing T cell subset with potent autocrine and paracrine proinflammatory properties*. Meeting of the International Societies of Investigative Dermatology IID, Edinburgh, 05/2013. Selected for poster walk.
 - J. Adam, N. Wuillemin, D. Yerly, K. Schnyder, W.J. Pichler, N. Yawalkar, **C. Schlapbach**. *CD8⁺ T cells and NK cells from blister fluid of an EEM/SJS overlap highly express Fas ligand and Granulysin*. Annual meeting of the Swiss Society for Allergology and Immunology (SSAI); Bern, 04/2013
 - A.L. Gerber, A. Müntz, D. Kiermeier, M. Shafiqhi, **C. Schlapbach**, R. Hüsler, R.E. Hunger. *High expression of FoxP3 in primary Melanoma is associated with tumor progression*. 8th congress of the European Association of Dermato Oncology (EADO); Barcelona, 11/2012
 - **C. Schlapbach**, T.S. Kupper, R.A. Clark. *Tissue specific homing and T cell antigen specificity*. Cell Symposia – Human immunity; Lisbon, Portugal, 10/2012
 - **C. Schlapbach**, A. Zawodniak, D. Yerly, W.J. Pichler, and N. Yawalkar. *Expression of granulysin in various cutaneous drug reactions by NK cell and T cells*. Annual meeting of the Swiss Society for Allergology and Immunology (SSAI); St. Gallen, Switzerland, 04/2010
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