Publications

Original articles:

CA = corresponding author

1. Bousquet J, Samolinski B, Kaidashev I, Maurer M, Roche N, Sousa-Pinto B, Kurchenko A, Stepanenko R, Tsaryk V, Klimek L, Ventura MT, Bedbrook A, Czarlewski W, Lysanets Y, Kupczyk M, Skolimowski Ł, Kulus M, Del Giacco S, Ollert M, Garcia-Aymerich J, Robalo Cordeiro C, Yorgancioglu A, **Schlapbach C**, Amaral R, Bonaglia C, Bossé I, Buquicchio R, Christou D, Fedoruk G, Fontanesi P, Gemicioglu B, Giuliano AFM, Lepore P, Nakonechna A, Neisinger S, Pereira AM, Ramanauskaite A, Raciborski F, Sitkauskiene B, Sokhatska O, Stepanenko V, Stevanovic K, Syzon O, Kvedariene V, de Vries G, van Eerd M, Valiulis A, Fonseca JA, Anto JM, Haahtela T, Schünemann H, Zuberbier T.
   UCRAID (Ukrainian Citizen and refugee electronic support in Respiratory diseases, Allergy, Immunology and Dermatology) action plan
   Allergy, 2023
2. Canale FP, Neumann J, von Renesse J, Loggi E, Pecoraro M, Vogel I, Zoppi G, Antonini G, Wolf T, Jin W, La Barba G, Birgin E, Forkel M, Nilsson T, Marone R, Mueller H, Pelletier N, Jeker LT, Civenni G, **Schlapbach C**, Catapano C, Seifert L, Seifert AM, Gillessen S, de Dosso S, Cristaudi A, Rahbari NN, Ercolani G, Geiger R
   Proteomics of immune cells from liver tumors reveals immunotherapy targets
   Cell Genomics, 2023
3. Bertschi NL, Steck O, Luther F, Bazzini C, von Meyenn L, Schärli S, Vallone A, Felser A, Keller I, Friedli O, Freigang S, Begré N, Radonjic-Hoesli S, Lamos C, Gabutti MP, Benzaquen M, Laimer M, Simon D, Nuoffer JM, **Schlapbach C**
   PPAR-γ regulates the effector function of human T helper 9 cells by promoting glycolysis
   Nature Communications, 2023
4. T. Schatton, Y. Itoh, C. Martins, E. Rasbach, P. Singh, M. Silva, K. Mucciarone, M.V. Heppt, J. Geddes-Sweeney, K. Stewart, A. Brandenburg, J. Liang, C.J. Dimitroff, M.C. Mihm Jr, J. Landsberg, **C. Schlapbach**, C.G. Lian, G.F. Murphy, T.S. Kupper, M.R. Ramsey, S.R. Barthel
   Inhibition of melanoma cell-intrinsic Tim-3 stimulates MAPK-dependent tumorigenesis
   Cancer Research, 2022
5. M. Fromme, C.V. Schneider, **C. Schlapbach**, S. Cazzaniga, C. Trautwein, D.J. Rader, L. Borradori, P. Strnad
   Comorbidities in lichen planus by phenome-wide association study in two biobank population cohorts
   British Journal of Dermatology, 2022
6. N. Wuillemin, B. Ballmer-Weber, **C. Schlapbach**, L. Jörg, D. Yerly
   The activation pattern of drug-reacting T cells has an impact on the clinical picture of hypersensitivity reactions
   Frontiers in Allergy, 2022
7. S. Bossart, S.M. Seyed Jafari, M. Lehmann, A. Jossi-Will, E. Sane, K. Heidemeyer, P. Schorno, L. Pelloni., A. Rammlmair, **C. Schlapbach**
   Effect of topical application of platelet-rich plasma on chronic venous leg ulcerations
   Dermatologic Therapy, 2021
8. P. Zwicky, F. Ingelfinger, B.M. Silva de Melo, F. Ruchti, S. Schärli, N. Puertas, M. Lutz, T.S. Phan, T.M. Kündig, M.P. Levesque, J.T. Maul, **C. Schlapbach,** S. LeibundGut-Landmann, S. Mundt, B. Becher
   IL-12 regulates type 3 immunity through interfollicular keratinocytes in psoriasiform inflammation
   Science Immunology, 2021
9. Distel J, Cazzaniga S, Seyed Jafari SM, Emelianov V, **Schlapbach C**, Yawalkar N, Heidemeyer K.
   Long-Term Effectiveness and Drug Survival of Apremilast in Treating Psoriasis: A Real-World Experience.
   Dermatology, 2021
10. G. Page, B. Page, H. Beltraminelli, L. Borradori, **C. Schlapbach**
    Prurigo pigmentosa: demographics and characteristics in 14 Caucasian patients
    Dermatology, 2021
11. J.T. Maul, F. Anzengruber, C. Conrad, A. Cozzio, P. Häusermann, A. Jalili, A.G.A. Kolios, E. Laffitte, A.K Lapointe, C. Mainetti, **C. Schlapbach**, R. Trüeb, N. Yawalkar, M. Dippel, A.A. Navarini
    Topical Treatment of Psoriasis vulgaris – the Swiss Treatment Pathway
    Dermatology, 2021

12. C. Bazzini, N. Begré, B. Favre, T. Hashimoto, M. Hertl, **C. Schlapbach[CA]**, L. Borradori
Detection of autoantibodies against alpha-2-macroglobulin-like 1 in paraneoplastic pemphigus sera utilizing novel green fluorescent protein-based immunoassays
Journal of Dermatological Science, 2020

13. B. Stolp, F. Thelen, X. Ficht, L.M. Altenburger, N. Ruef, V. V. G. Krishna Inavalli, P. Germann, N. Page, F. Moalli, A. Raimondi, K.A. Keyser, S.M.S. Jafari, F. Barone, M.S. Dettmer, D. Merkler, M. Iannacone, J. Sharpe, **C. Schlapbach**, O.T. Fackler, U.V. Nägerl, J.V. Stein
Salivary gland macrophages and tissue-resident CD8+ T cells cooperate for homeostatic organ surveillance
Science Immunology, 2020

14. 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

15. 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

16. 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

17. 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

18. 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

19. 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

20. 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

21. 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

22. 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.
ABCB5 Identifies Immunoregulatory Dermal Cells
Cell Reports, 2015

23. 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

24. 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

25. 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.

26. 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.

27. **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.

28. 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.

29. E. Guenova, R. Watanabe, J. Desimone, J. Teague, Y. Jiang, M. Dowlatshahi, A. Gehad, **C. Schlapbach**, K. Schaekel, 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.

30. 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.

31. 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.

32. **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.

33. **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.

34. **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.

35. **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.

36. **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.

Short reports:

CA = corresponding author, EC = equally contributed

1. O. Steck, N.L. Bertschi, F. Luther, J. van den Berg, D.J. Winkel, A. Holbro, **C. Schlapbach**
Rapid and sustained control of itch and reduction of Th2 bias by dupilumab in a patient with Sézary syndrome
Journal of the European Academy of Dermatology & Venereology, 2021

2. 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

3. 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 / Research letters:

- Böll SL, Zahn CA, **Schlapbach C**.
  Rapid and sustained improvement of cutaneous lichen planus with oral JAK1 inhibitors
  J Eur Acad Dermatol Venereol, 2024
- M.H. Rohner, K. Thormann, S. Cazzaniga, S. Yousefi, H.U. Simon, **C. Schlapbach**, D. Simon
  Dupilumab reduces inflammation and restores the skin barrier in patients with atopic dermatitis
  Allergy, 2021
- A.D. Gloor, L. Feldmeyer, A. Rammlmair, **C. Schlapbach**, D. Wallach, L. Borradori
  A relapsing localized variant of neutrophilic dermatosis triggered by tissue injur
  British Journal of Dermatology, 2021
- 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
- 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
- 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
- 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.
  JAMA Dermatology, 2014

Case reports:

- Imstepf VA, **Schlapbach C**, Benzaquen M, Feldmeyer L, Lipsker D, Borradori L.
  Localized aseptic neutrophilic dermatoses of the extremities triggered by stasis and tissue damage: Two case reports of an unrecognized condition misdiagnosed as bacterial cellulitis.
  JAAD Case Rep. 2022 Aug
- Seyed Jafari SM, Feldmeyer L, Bossart S, Simon D, Schlapbach C, Borradori L.
  Combination of Omalizumab and Dupilumab for Recalcitrant Bullous Pemphigoid.
  Front Immunol. 2021
- M. Benzaquen, N. Yawalkar, L. Feldmeyer, L. Borradori, **C. Schlapbach**
  Herpetiform aphthous ulcerations with acute gingivostomatitis induced by secukinumab: report of two cases
  JAAD Case Reports, 2020
- M.S. Fässler, **C. Schlapbach**
  Granuloma annulare arising under systemic psoriasis therapy successfully treated with adalimumab
  JAAD Case Reports, 2020
- A. Gloor, M. van Rhyn, **C. Schlapbach**
  Erythema gyratum repens-like eruption after anti-IL-17 therapy of pityriasis rubra pilaris
  Journal of the European Academy of Dermatology & Venereology, 2020
- M. Lehmann, **C. Schlapbach**
  Pityriasis rubra pilaris in pregnancy localized to the face and neck
  Clinical Dermatology, 2020
- Bürgler C, **Schlapbach C**, Feldmeyer L, Haneke E.
  Multiple acantholytic dyskeratotic acanthomas in an organ transplant recipient.
  JAAD Case Reports, 2018

- **C. Schlapbach**, P. Sendi
  The Serrated Marine Nose. (Images in Clinical Medicine)
  New England Journal of Medicine, 2017

Editorials

- C. Conrad, **C. Schlapbach**,
  Prurigo nodularis forecast: light type 2 inflammation, with high chances of fibrosis
  Journal of Allergy and Clinical Immunology, 2024
- **C. Schlapbach**
  TOX-ic T cell cytokines wreak havoc in CTCL skin
  Blood, 2023
- **C. Schlapbach**, C. Conrad
  TYK-ing all the boxes in psoriasis
  Journal of Allergy and Clinical Immunology, 2022

Review articles

- B. Roediger, **C. Schlapbach**
  T cells in the skin: lymphoma and inflammatory skin disease
  Journal of Allergy and Clinical Immunology, 2022
- N.L. Bertschi, C. Bazzini, **C. Schlapbach**
  The Concept of Pathogenic T_H2 Cells
  International Archives of Allergy and Immunology, 2021
- M.P. Schön, C. Berking, T. Biedermann, T. Buhl, L. Erpenbeck, K. Eyerich, S. Eyerich, K. Ghoreschi, M. Goebeler, RJ Ludwig, K. Schäkel, B.Schilling, **C. Schlapbach**, G. Stary, E. von Stebut, K. Steinbrink
  COVID-19 - from basic and translational aspects to clinical implications
  Journal der Deutschen Dermatologischen Gesellschaft (JDDG), 2020
- S.M.S Jafari, R.E. Hunger, **C. Schlapbach**
  Hidradenitis suppurativa: Current understanding of pathogenic mechanisms and suggestion for treatment algorithm
  Frontiers in Medicine, 2020
- L. von Meyenn, N.L. Bertschi, **C. Schlapbach**
  Targeting T cell metabolism in inflammatory skin disease
  Frontiers in Immunology, 2019
- 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), 2019
- 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

- Riggauer J, **Schlapbach C**
  Neue und alte Therapien der atopischen Dermatitis
  Schweizerische Ärztezeitung, 2023
- C. Houriet, E. Haneke, **C. Schlapbach**, L. Borradori, N. Pelivani
  Hautmanifestationen bei inneren Erkrankungen
  Swiss Medical Forum, 2013

Invited lectures C. Schlapbach (selection)

- ESDR Summer School, Lausanne, 09/2022: *Adaptive immunity to skin microbiota*
- Annual congress of the SSAI, Basel, 09/2022: *T cells in the skin - Lymphoma and inflammatory skin disease*
- Quo vadis lecture, annual meeting of the ADF, virtual, 02/2021: *T helper cell subsets: Back to the future*
- Gordon Research Conference, Ventura, USA; 01/2020: *PPARγ^{+} T_H2 cells.*
- Annual congress of the ÖGDV, Vienna, 12/2019: *Von guten und bösen T Zellen*
- Annual congress of the ESDR, Bordeaux, 09/2019: *PPARy 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):

- **Schlapbach C**: Chronic inflammatory T-cell mediated skin diseases & Cutaneous T cell lymphoma
  Annual meeting of the EADV; Berlin, 10/2023
- **Schlapbach C**: Tyk2 Inhibition in psoriasis and beyond.
  Annual meeting of the SSAI; Bern, 08/2023
- F. Luther, …, **C. Schlapbach:** *Effector functions of human T_H9 cells depend on PPAR-γ-regulated glucose metabolism*
  World Immune Regulation Meeting, Davos, 07/2022
- **C. Schlapbach**: *Unusual cutaneous side effects immune of check-point therapy: Mechanisms & Management*
  Annual meeting of the EADV, virtual: 10/2020
- **C. Schlapbach**: *Der Einsatz von Dupilumab über die atopische Dermatitis hinaus.*
  Annual meeting of the SGDV; Zürich, 09/2020
- **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