

Research Output List
Rami Sommerstein, MD

Publications in peer-reviewed scientific journals

Original Research

- 2022 Vuichard-Gysin D, **Sommerstein R**, Kronenberg A, Buetti N, Eder M, Piezzi V, Gardiol C, Schlegel M, Harbarth S, Widmer A; for Swissnoso. High adherence to national IPC guidelines as key to sustainable VRE control in Swiss hospitals: a cross-sectional survey. *Antimicrob Resist Infect Control*. 2022 Jan 28;11(1):19. doi: [10.1186/s13756-022-01051-9](https://doi.org/10.1186/s13756-022-01051-9).
- Birrer M, Perrig M, Hobi F, Gfeller C, Atkinson A, Egger M, Bartholdi C, Aujesky D, Marschall J, **Sommerstein R**. Droplet precautions on-site (DroPS) during the influenza season 2018/2019: a possible alternative to single room isolation for respiratory viral infections. *Antimicrob Resist Infect Control*. 2022 Jan 9;11(1):2. doi: [10.1186/s13756-021-01038-y](https://doi.org/10.1186/s13756-021-01038-y).
- Fröhlich GM, De Kraker MEA, Abbas M, Keiser O, Thiabaud A, Roelens M, Cusini A, Flury D, Schreiber PW, Buettcher M, Corti N, Vuichard-Gysin D, Troillet N, Sauser J, Gaudenz R, Damonti L, Balmelli C, Iten A, Widmer A, Harbarth S, **Sommerstein R**. Hospital outcomes of community-acquired COVID-19 versus influenza: Insights from the Swiss hospital-based surveillance of influenza and COVID-19. *Euro Surveill*. 2022 Jan;27(1). doi: [10.2807/1560-7917.ES.2022.27.1.2001848](https://doi.org/10.2807/1560-7917.ES.2022.27.1.2001848).
- 2021 **Sommerstein R**, Atkinson A, Kuster SP, Vuichard-Gysin D, Harbarth S, Troillet N, Widmer AF; Swissnoso Network. Association Between Antimicrobial Prophylaxis With Double-Dose Cefuroxime and Surgical Site Infections in Patients Weighing 80 kg or More. *JAMA Netw Open*. 2021 Dec 1;4(12):e2138926. doi: [10.1001/jamanetworkopen.2021.38926](https://doi.org/10.1001/jamanetworkopen.2021.38926).
- Roelens M, Martin A, Friker B, Sousa FM, Thiabaud A, Vidondo B, Buchter V, Gardiol C, Vonlanthen J, Balmelli C, Battegay M, Berger C, Buettcher M, Cusini A, Flury D, Heininger U, Niederer-Loher A, Riedel T, Schreiber PW, **Sommerstein R**, Troillet N, Tschudin-Sutter S, Vetter P, Bernhard-Stirnermann S, Corti N, Gaudenz R, Marschall J, Nussbaumer-Ochsner Y, Senn L, Vuichard-Gysin D, Zimmermann P, Zucol F, Iten A, Keiser O. Evolution of COVID-19 mortality over time: results from the Swiss hospital surveillance system (CH-SUR). *Swiss Med Wkly*. 2021 Nov 24;151:w30105. doi: [10.4414/smw.2021.w30105](https://doi.org/10.4414/smw.2021.w30105). eCollection 2021 Nov 22.
- The effect of the COVID-19 pandemic on the epidemiology of positive blood cultures in Swiss intensive care units: a nationwide surveillance study. Damonti L, Kronenberg A, Marschall J, Jent P, **Sommerstein R**, De Kraker MEA, Harbarth S, Gasser M, Buetti N. *Crit Care*. 2021 Nov 22;25(1):403. doi: [10.1186/s13054-021-03814-z](https://doi.org/10.1186/s13054-021-03814-z).
- An automated retrospective VAE-surveillance tool for future quality improvement studies. Wolffers O, Faltys M, Thomann J, Jakob SM, Marschall J, Merz TM, **Sommerstein R**. *Sci Rep*. 2021 Nov 15;11(1):22264. doi: [10.1038/s41598-021-01402-3](https://doi.org/10.1038/s41598-021-01402-3).
- Maximiano Sousa F, Roelens M, Fricker B, Thiabaud A, Iten A, Cusini A, Flury D, Buettcher M, Zucol F, Balmelli C, Zimmermann P, Troillet N, Vuichard-Gysin D, Schreiber PW, Bernhard-Stirnermann S, Tschudin-Sutter S, Nussbaumer-Ochsner Y, **Sommerstein R**, Gaudenz R, Marschall J, Senn L, Gardiol C, Keiser O, Schüpbach G, Wymann M, Vidondo B, Ch-Sur Study Group. Risk factors for severe outcomes for COVID-19 patients hospitalised in Switzerland during the first pandemic wave, February to August 2020: prospective observational cohort study. *Swiss Med Wkly*. 2021 Jul 28;151:w20547. doi: [10.4414/smw.2021.20547](https://doi.org/10.4414/smw.2021.20547). eCollection 2021 Jul 19.
- Metsini A, Widmer A, Zingg W, Gardiol C, Vuichard-Gysin D, Eder M, Maag J, Schlegel M, Marschall J, Harbarth S, **Sommerstein R**; The Swissnoso Network. Evaluation of existing and desired measures to monitor, prevent and control healthcare-associated infections in Swiss hospitals. *Swiss Med Wkly*. 2021 Jul 14;151:w20516. doi: [10.4414/smw.2021.20516](https://doi.org/10.4414/smw.2021.20516). eCollection 2021 Jul 5.

- Buetti N, Marschall J, Timsit JF, Atkinson A, Kronenberg A, **Sommerstein R**; Swiss Centre for Antibiotic Resistance (ANRESIS). Distribution of pathogens and antimicrobial resistance in bacteremia according to hospitalization duration: A nationwide surveillance study in Switzerland. *Clin Microbiol Infect*. 2021 Apr 29;S1198-743X(21)00212-3. doi: [10.1016/j.cmi.2021.04.025](https://doi.org/10.1016/j.cmi.2021.04.025). Online ahead of print.
- Seth-Smith H, Roloff T, Hinic V, Bodmer T, Risch M, Casanova C, Widmer A, **Sommerstein R**, Marschall J, Tschudin Sutter S, Egli A. Transition from PCR-ribotyping to Whole Genome Sequencing based typing of *Clostridioides difficile*. *Front Cell Infect Microbiol*. 2021 Jun 1;11:681518. doi: [10.3389/fcimb.2021.681518](https://doi.org/10.3389/fcimb.2021.681518). eCollection 2021.
- Moret F, Marschall J, Atkinson A, Farag S, Zimmerli S, Pabst T, **Sommerstein R**. Characteristics of respiratory virus infections in autologous hematopoietic stem cell transplantation patients, a prospective study, Bern, Switzerland, 2015-2017. *Infect Dis (Lond)*. 2021 Jan 21:1-7. doi: [10.1080/23744235.2021.1871642](https://doi.org/10.1080/23744235.2021.1871642). Online ahead of print. PMID: 33475447
- Kachalov V, Nguyen H, Balakrishna S, Salazar-Vizcaya L, **Sommerstein R**, Kuster SP, Hauser S, zur Wiesch P, Klein E, Kouyos R. Identifying the drivers of multidrug-resistant *Klebsiella pneumoniae* at a European level. *PLoS Comput Biol*. 2021 Jan 29;17(1):e1008446. eCollection 2021 Jan. [10.1371/journal.pcbi.1008446](https://doi.org/10.1371/journal.pcbi.1008446)
- 2020 **Sommerstein R**, Marschall J, Atkinson A, Surbek D, Dominguez-Bello MG, Troillet N, Widmer AF; Swissnoso. Antimicrobial prophylaxis administration after umbilical cord clamping in cesarean section and the risk of surgical site infection: a cohort study with 55,901 patients. *Antimicrob Resist Infect Control*. 2020 Dec 22;9(1):201. <https://doi.org/10.1186/s13756-020-00860-0>.
- Kuenzli AB, Burri S, Casanova C, **Sommerstein R**, Buetti N, Seth-Smith HMB, Bodmer T, Egli A, Marschall J. Successful management of a *Clostridioides difficile* ribotype 027 outbreak with a lean intervention bundle. *J Hosp Infect*. 2020 Oct;106(2):240-245. doi: [10.1016/j.jhin.2020.07.034](https://doi.org/10.1016/j.jhin.2020.07.034). Epub 2020 Aug 1.
- Büchler AC, **Sommerstein R**, Dangel M, Tschudin-Sutter S, Vogel M, Widmer AF. Impact of an infection control service in a university psychiatric hospital: Significantly lowering healthcare-associated infections during 18 years of surveillance. *J Hosp Infect*. 2020 Oct;106(2):343-347. doi: [10.1016/j.jhin.2020.07.018](https://doi.org/10.1016/j.jhin.2020.07.018). Epub 2020 Jul 21.
- 2019 Casanova C, Lo Priore E, Egli A, Seth-Smith HMB, Räber L, Ott D, Pflüger V, Droz S, Marschall J, **Sommerstein R**. *Agrobacterium* spp. nosocomial outbreak assessment using rapid MALDI-TOF MS based typing, confirmed by whole genome sequencing. *Antimicrob Resist Infect Control*. 2019 Nov 4;8:171. doi: [10.1186/s13756-019-0619-y](https://doi.org/10.1186/s13756-019-0619-y).
- Sommerstein R**, Castro Lopes Azevedo T, Aerschmann C, Hobi F, Egger M, Marschall J. Droplet precautions on site instead of single room isolation for respiratory tract infections. *Infect Control Hosp Epidemiol*. 2019 Aug;40(8):939-942. [10.1017/ice.2019.142](https://doi.org/10.1017/ice.2019.142). Epub 2019 Jun 6.
- Sommerstein R**, Merz TM, Berger S, Kraemer JG, Marschall J, Hilty M. Patterns in the longitudinal oropharyngeal microbiome evolution related to ventilator-associated pneumonia. *Antimicrob Resist Infect Control*. 2019 May 22;8:81. <https://doi.org/10.1186/s13756-019-0530-6>.
- Sommerstein R**, Marschall J, Kuster S, Troillet N, Carrel T, Eckstein F, Widmer A and Swissnoso. Cardiovascular daytime varying effect in cardiac surgery on surgical site infections and 1-year mortality: A prospective cohort study with 22,305 patients *Infection Control & Hosp Epidemiology*. 2019, 2019 Jun;40(6):727-728. [10.1017/ice.2019.89](https://doi.org/10.1017/ice.2019.89)
- Seth-Smith H, Casanova C, **Sommerstein R**, Meinel D, Abdelbary M, Blanc D, Droz S, Führer U, Lienhard R, Lang C, Dubuis O, Schlegel M, Widmer A, Keller P, Marschall J, Egli A.: Phenotypic and genomic analyses of *Burkholderia stabilis* clinical contamination, Switzerland. *Emerging Infectious Diseases* 2019 Jun;25(6):1084-1092. [10.3201/eid2506.172119](https://doi.org/10.3201/eid2506.172119)

- Sommerstein R**, Atkinson A, Kuster S, Thurneysen M, Troillet N, Marschall J, Widmer A and Swissnoso. Antimicrobial prophylaxis and the prevention of surgical site infection in cardiac surgery: an analysis of 21,007 patients in Switzerland. *Eur J Cardiothorac Surg*. 2019 Feb 22. [10.1093/ejcts/ezz039](https://doi.org/10.1093/ejcts/ezz039)
- Sommerstein R**, Kottanattu L, Marschall J. Laterality of a short-term peripheral intravenous catheter does not affect complications or patient satisfaction: a subanalysis of the One Million Global Peripheral Intravenous Catheter Study. *Infect Control Hosp Epidemiol*. 2019 Jan;40(1):117-118. [10.1017/ice.2018.291](https://doi.org/10.1017/ice.2018.291). Epub 2018 Nov 15. (Original data, as correspondence)
- 2018 Buetti N, Lo Priore E, **Sommerstein R**, Atkinson A, Kronenberg A, Marschall J and the Swiss Centre for Antibiotic resistance (ANRESIS). Epidemiology of subsequent bloodstream infections in the ICU. *Critical Care*. 2018 22:259 <https://doi.org/10.1186/s13054-018-2148-0> (Original data, as correspondence)
- Metsini A, Vazquez M, **Sommerstein R**, Marschall J, Bally F, Voide C, Troillet N, Pittet D, Zingg W, and the Swissnoso network. Point prevalence of healthcare-associated infections and antibiotic use in three large Swiss acute-care hospitals. *Swiss Medical Weekly*, 148, w14617. [10.4414/smw.2018.14617](https://doi.org/10.4414/smw.2018.14617)
- Sommerstein R**, Hasse B, Marschall J, Sax H, Genoni M, Schlegel M, Widmer AF, and the Swiss Chimaera Taskforce. Global health estimate of invasive Mycobacterium chimaera infections associated with heater-cooler devices in cardiac surgery. *Emerging Infectious Diseases*. 2018 Mar; 24(3): 576–578. <https://doi.org/10.3201/eid2403.171554>
- Sommerstein R**, Atkinson A, Lo Priore EF, Kronenberg A, Marschall J: Characterizing non-linear effects of hospitalisation duration on antimicrobial resistance in respiratory isolates: an analysis of a prospective nationwide surveillance system. Swiss Centre for Antibiotic Resistance (ANRESIS). *Clinical Microbiology Infection*. 2018; 24(1); 45-52. <https://doi.org/10.1016/j.cmi.2017.05.018>
- 2017 Jent P, Olah A, **Sommerstein R**. Third Dose of MMR Vaccine for Mumps Control. *The New England Journal of Medicine*. 2017; 377(24):2402. (original data, as correspondence) [10.1056/NEJMc1714219](https://doi.org/10.1056/NEJMc1714219)
- Sommerstein R**, Führer U, Lo Priore E, Casanova C, Meinel DM, Seth-Smith HM, Kronenberg A On Behalf Of, Anresis, Koch D, Senn L, Widmer AF, Egli A, Marschall J On Behalf Of, Swissnoso. Nationwide Burkholderia stabilis Outbreak in Switzerland from May 2015 until August 2016 Associated with Contaminated Commercially Available Washing Gloves. *Eurosurveillance* 2017;22(49): 17-00213. [10.2807/1560-7917.ES.2017.22.49.17-00213](https://doi.org/10.2807/1560-7917.ES.2017.22.49.17-00213)
- Sommerstein R**, Geser S, Atkinson A, Tschan F, Morgan DJ, Marschall J: Knowledge sharing in infection prevention in routine and outbreak situations: a survey of the Society for Healthcare Epidemiology of America Research Network. *Antimicrobial Resistance Infection Control*. 2017 Aug 8;6:79. [10.1186/s13756-017-0237-5](https://doi.org/10.1186/s13756-017-0237-5)
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- 2016 Fallet B, Narr K, Ertuna Y, Remy M, **Sommerstein R**, Kreutzfeldt M, Page N, Cornille K, Zimmer G, Straub T, Pircher H, Larimore K, Greenberg P, Merkler D, Pinschewer D: Interferon-driven decimation of antiviral B cells at the onset of chronic infection. *Science Immunology*. 2016 Oct 21;1(4). pii: eaah6817. [10.1126/sciimmunol.aah6817](https://doi.org/10.1126/sciimmunol.aah6817)
- Schreiber W, Kuster S, Hasse B, Bayard C, Rüegg C, Kohler P, Keller P, Bloemberg G, Maisano F, Bettex D, Halbe M, **Sommerstein R**, Sax H: Reemergence of Mycobacterium

chimaera in heater-cooler units despite an intensified cleaning and disinfection protocol. *Emerging Infectious Diseases*. 2016 Oct;22(10):1830-1833. [10.3201/eid2210.160925](https://doi.org/10.3201/eid2210.160925)

Sommerstein R, Rueegg C, Kohler P, Bloemberg G, Kuster S, Sax H: Transmission of *Mycobacterium chimaera* aerosols from heater-cooler units in cardiac surgery despite an ultraclean air ventilation system. *Emerging Infectious Diseases*. 2016 Jun 15;22(6): 1008-13. <https://dx.doi.org/10.3201/eid2206.160045>

Sommerstein R, Jenni H, Carrel T, Marschall J: Cardiac surgery, nosocomial infection, and the built environment. *Journal of Hospital Infection*. 2016; 93(3), Pages 240–241. (Original data, as Letter to the editor) <http://dx.doi.org/10.1016/j.jhin.2016.03.026>

Sommerstein R, Ricklin M, Barbani MT, Marschall J, Sendi P: Influenza in the Emergency Department. *The Journal of Emergency Medicine*. 2016 Sep 24. pii: S0736-4679(16)30546-7. [10.1016/j.jemermed.2016.03.039](https://doi.org/10.1016/j.jemermed.2016.03.039)

Haubitz S, Atkinson A, Kaspar T, Nydegger D, Eichenberger A, **Sommerstein R**, Marschall J: Handrub consumption mirrors hand hygiene compliance. *Infection Control & Hospital Epidemiology*. 2016, 37(6):707-10. [10.1017/ice.2016.47](https://doi.org/10.1017/ice.2016.47)

2015 **Sommerstein R**, Flatz L, Remy M, Malinge P, Magistrelli G, Fischer N, Sahin M, Bergthaler A, Igonet S, Ter Meulen J, Rigo D, Meda P, Rabah N, Coutard B, Bowden TA, Lambert PH, Siegrist CA, Pinschewer DD: Arenavirus Glycan Shield Promotes Neutralizing Antibody Evasion and Protracted Infection. *PLoS Pathogens*. Nov 20;11(11):e1005276. [10.1371/journal.ppat.1005276](https://doi.org/10.1371/journal.ppat.1005276)

Kohler P, Kuster S, Bloemberg G, Böttger E, Frank M, Tanner F, Rössle M, Böni C, Falk V, Wilhelm M, **Sommerstein R**, Achermann Y, ten Oever J, Debast S, Wolfhagen J, Brandon G, Vos M, Bogers A, Serr A, Beyersdorf F, Sax H, Weber R, van Ingen J, Wagner D, Hasse B: Health-care associated prosthetic heart valve, aortic vascular graft, and disseminated *Mycobacterium chimaera* infections subsequent to open heart surgery. *European Heart Journal*. 2015 Oct 21;36(40):2745-53. [10.1093/eurheartj/ehv342](https://doi.org/10.1093/eurheartj/ehv342)

Kohler P, **Sommerstein R**, Schönrrath R, Ajdler-Schäffler E, Anagnostopoulos A, Tschirky S, Falk V, Kuster S, Sax H: Effect of perioperative mupirocin and antiseptic body wash on infection rate and causative pathogens in patients undergoing cardiac surgery. *American Journal of Infection Control*. 2015, Jul 1;43(7):e33-8. [10.1016/j.ajic.2015.04.188](https://doi.org/10.1016/j.ajic.2015.04.188)

Sommerstein R, Kohler P, Wilhelm M, Kuster S, Sax H: Factors associated with methicillin resistance in coagulase-negative staphylococci in deep sternal wound infections after cardiac surgery. *New Microbes New Infections*. 2015 Apr 20;6:15-21. [10.1016/j.nmni.2015.04.003](https://doi.org/10.1016/j.nmni.2015.04.003)

Sax H, Bloemberg G, Hasse B, **Sommerstein R**, Kohler P, Achermann Y, Rössle M, Falk V, Kuster S, Böttger E, Weber R: Prolonged outbreak of *Mycobacterium chimaera* infection after open chest heart surgery. *Clinical Infectious Diseases*. 2015; Jul 1;61(1):67-75. [10.1093/cid/civ198](https://doi.org/10.1093/cid/civ198)

Penaloza-MacMaster P, Barber DL, Wherry EJ, Provine NM, Teigler JE, Parenteau L, Blackmore S, Borducchi EN, Larocca RA, Yates KB, Shen H, Haining WN, **Sommerstein R**, Pinschewer DD, Ahmed R, Barouch DH: Vaccine-elicited CD4 T cells induce immunopathology after chronic LCMV infection. *Science*. 2015; 347:278-82. [10.1126/science.aaa2148](https://doi.org/10.1126/science.aaa2148)

Case Reports, Letters & Editorials

2020 **Sommerstein R**, Kochen MK, Messerli FH, Gräni C. COVID-19: Do ACE inhibitors/Angiotensin receptor blockers have a biphasic effect? Viewpoint. [10.1161/JAHA.120.016509](https://doi.org/10.1161/JAHA.120.016509). J Am Heart Assoc. 2020 Apr 7;9(7):e016509.

- Sommerstein R**, Hasse B, Widmer AF. Invasive Mycobacterium chimaera Infections and Heater-Cooler Devices in Cardiac Surgery. *Emerg Infect Dis*. 2020 Mar;26(3):632-633. doi: [10.3201/eid2603.191818](https://doi.org/10.3201/eid2603.191818)
- 2018 **Sommerstein R**, Merz T, Jakob S, Takala J, Marschall J. Decontamination of Extracorporeal Membrane Oxygenator Devices With an Intensified Disinfection Protocol: How Strict Is Too Strict? *Infection Control & Hospital Epidemiology*. 2018. <http://dx.doi.org/10.1017/ice.2017.283> (comment letter including original data)
- 2017 Jeannot N, van den Hoogen B, Schefold J, Suter-Riniker F, **Sommerstein R**. Cerebrospinal Fluid Findings in an Adult with Human Metapneumovirus-Associated Encephalitis. *Emerging Infectious Diseases*. 2017 Feb (case report including experimental original data) [10.3201/eid2302.161337](https://doi.org/10.3201/eid2302.161337)
- Sommerstein R**, Kohler PP, Hasse B. Global *Mycobacterium chimaera* outbreak: challenges for the near future. *Journal of Hospital Infection*. July 2017; 96(3), Pages 207–208 .
- 2015 Ruehe B, Bloemberg G, Müller F, **Sommerstein R**: Postpartales Fieber, Kopfschmerzen und Verwirrung. *Schweizerisches Medizin-Forum*. 2015 2015/04. <https://doi.emh.ch/10.4414/smf.2015.02166>

Review Articles

- 2020 Vuichard-Gysin D, **Sommerstein R**, Martischang R, Harbarth S, Kuster S, Senn L, Widmer A. *Candida auris* – recommendations on infection prevention and control measures in Switzerland. *Swiss Med Wkly*. 2020 Sep 25;150:w20297. doi: [10.4414/smw.2020.20297](https://doi.org/10.4414/smw.2020.20297). eCollection 2020 Sep 21.
- Sommerstein R**, Fux CA, Vuichard-Gysin D, Abbas M, Marschall J, Balmelli C, Troillet N, Harbarth S, Schlegel M, Widmer A & Swissnoso. Risk of SARS-CoV-2 transmission by aerosols, the rational use of masks, and protection of healthcare workers from COVID-19. *Antimicrobial Resistance & Infection Control*. Volume 9, Article number: 100 (2020). [10.1186/s13756-020-00763-0](https://doi.org/10.1186/s13756-020-00763-0).
- 2019 Hasse B, Hannan M, Keller PM, Maurer FP, **Sommerstein R**, Mertz D, Wagner D, Fernández-Hidalgo N, Nomura J, Manfrin V, Bettex D, Conte AH, Durante-Mangoni E, Hing-Cheung Tang T, Stuart RL, Lundgren J, Gordon S, Jarashow MC, Schreiber PW, Niemann S, Kohl TA, Daley C, Stewardson AJ, Whitener CJ, Perkins K, Plachouras D, Lamagni T, Chand M, Freiberger T, Zweifel S, Sander P, Schulthess B, Scriven J, Sax H, van Ingen J, Mestres CA, Diekema D, Brown-Elliott BA, Wallace RJ Jr, Baddour LM, Miro JM, Hoen B; M. chimaera ISCID investigators. International Society of Cardiovascular Infectious Diseases Guidelines for the Diagnosis, Treatment and Prevention of Disseminated Mycobacterium chimaera Infection Following Cardiac Surgery with Cardiopulmonary Bypass. *J Hosp Infect*. 2019 Nov 9. pii: S0195-6701(19)30444-X. doi: [10.1016/j.jhin.2019.10.009](https://doi.org/10.1016/j.jhin.2019.10.009).
- 2018 Jent P, Berger C, Streit S, **Sommerstein R**. Mumps – vorbei und vergessen? Ein Überblick und Erkenntnisse nach neuen grossen Ausbrüchen. *Swiss Med Forum*. 2018;18(41):832-835 <https://doi.org/10.4414/smf.2018.03391>
- 2017 Senn L, **Sommerstein R**, Troillet N: Prävention Healthcare-assoziiierter Infektionen im Jahr 2017. *Swiss Medical Forum*. 2017;17(45):974-978. <https://doi.emh.ch/10.4414/smf.2017.03116>
- Sommerstein R**, Schreiber PW, Diekema DJ, Edmond MB, Hasse B, Marschall J, Sax H.: Mycobacterium chimaera Outbreak Associated With Heater-Cooler Devices: Piecing the Puzzle Together. *Infection Control & Hospital Epidemiology*. 2017 Jan 38:103-108. [10.1017/ice.2016.283](https://doi.org/10.1017/ice.2016.283)

Contributions to conferences

(For Abstracts: only unpublished data as first or last author)

- 2019 Birrer Michèle MD¹, Marschall Jonas MD¹, MSc¹, Atkinson Andrew PhD¹, Kronenberg Andreas MD^{1,2}, **Sommerstein Rami** MD¹ and the Swiss Centre for Antibiotic Resistance (ANRESIS) Temporal trends and resistance patterns in nosocomial lower respiratory tract pathogens: an analysis of a nationwide surveillance system, Switzerland, 2008-2018. ECCMID 2019. Poster presentation.
- 2018 **Sommerstein R.** An update on heater-cooler related infections. Symposium Presentation. EACTS 2018 Annual Conference. Milano, Italy.
- Sommerstein R**, Marschall J, Kuster S, Troillet N, Carrel T, Eckstein F, Widmer AF and Swissnoso. Daytime varying effect of cardiac surgery on 1-year SSI rate and mortality. Poster Presentation. ID Week Conference 2018, San Francisco, US.
- Salazar-Vizcaya L, Atkinson A, Plüss-Suard C, Kronenberg A, Marschall J, **Sommerstein R.** The impact of non-human transmissions on the future prevalence of ESBL-producing *Klebsiella pneumoniae*: a population based mathematical modelling study. Poster Presentation. ECCMID, Madrid 2018
- Fietze Y, Steiger S, Marschall J, **Sommerstein R.** Storing Flexible Endoscopes Longer than 30 Days Increases the Risk of Contamination. Poster Presentation. ECCMID, Madrid 2018
- 2017 **Sommerstein R**, Merz T, Berger S, Mika M, Marschall J, Hilty M. Changes in the Oropharyngeal Microbiome Preceding Ventilator-Associated Pneumonia. Poster Presentation. ID Week Conference 2017, San Diego, US.
<https://idsa.confex.com/idsa/2017/webprogram/Paper65179.html>
- Sommerstein R**, Atkinson A, Thurneysen M, Marschall J, Widmer AF and Swissnoso. Optimal Timing of Antimicrobial Prophylaxis in Cardiac Surgery: An Analysis of 15'873 Patients. Oral Presentation. ECCMID, Vienna 2017.
- Bächli M, Casanova C, Küffer M, Droz S, Marschall J, **Sommerstein R.** Evaluation of a Methicillin-resistant *Staphylococcus aureus* Contact Screening Strategy in a Low Prevalence Setting. Poster Presentation. ECCMID, Vienna 2017.
- 2016 Delayed isolation precautions for varicella-zoster virus have minimal impact on health care workers: management and outcomes in a high-prevalence area: Poster Presentation, ECCMID Amsterdam, Holland, 2016 (F. Kessler, Lämmli B, **R. Sommerstein** et al.)
- 2015 Ebola Virus Disease Risk Perception in Health-Care Workers: Poster presentation at SHEA Spring Conference 2015 in Orlando, FL USA (**R Sommerstein**, L Clack, H Sax)