



Dr Florent Baty

Leitende(r) Wissenschaftler/in
Pneumologie und Schlafmedizin · Dept. I

Kontakt

Dr Florent Baty
Rorschacherstrasse 95
9007 St. Gallen
Switzerland

T +41 71 494 2809
Florent.Baty@kssg.ch

Homepage

www.pneumologie.kssg.ch/

Bereiche

Pneumologie und Schlafmedizin

Funktion

Leitende(r) Wissenschaftler/in

Publikationen (113)

Rassouli F, Baty F, Schwärzler A, Widmer S, Tinschert P, Shih I, Cleres D, Barata F, Fleisch E, Brutsche M. Smartphone-based cough monitoring as a near real-time digital pneumonia biomarker. *ERJ Open Res* 2023; 9

Pohle S, Guler S, Hostettler K, Clarenbach C, Fellrath J, Azzola A, Adler D, Scholtze D, Nikolay P, Ulrich S, Györik S, Schoch O, Baty F, Funke-Chambour M, Brutsche M, Swiss Special Interest Group Interstitial and Rare Lung Diseases, Swiss Society of Pulmonology. Swiss Hypersensitivity Pneumonitis Exposure Questionnaire: A Regionally Adapted and Easy-To-Use Aide for Patients and Clinicians. *Respiration* 2023:1-3.

Horvath L, Baty F, Pircher A, Wolf D, Spahn S, Straussman R, Tilg H, Brutsche M. Compartmentalization of the host microbiome: how tumor microbiota shapes checkpoint immunotherapy outcome and offers therapeutic prospects. *J Immunother Cancer* 2022; 10

Kraemer R, Gardin F, Smith H, Baty F, Barandun J, Piecyk A, Minder S, Salomon J, Frey M, Brutsche M, Matthys H. Functional Predictors Discriminating Asthma-COPD Overlap (ACO) from Chronic Obstructive Pulmonary Disease (COPD). *Int J Chron Obstruct Pulmon Dis* 2022; 17:2723-2743.

Paciorkowski M, Baty F, Pohle S, Bürki E, Brutsche M. Identification of smoking cessation phenotypes as a basis for individualized counseling: An explorative real-world cohort study. *Tob Induc Dis* 2022; 20:81.

Boesch M, Baty F, Kowatsch T, Wolf D, Früh M, Brutsche M. Call for a holistic framework for cancer immunotherapy. *Cancer* 2022; 128:3772-3774.

Moser M, Baty F, Brutsche M, Schoch O. In-hospital survival paradox in patients with sleep apnea-A nation-wide nested case-control study. *PloS one* 2022; 17:e0271004.

Baty F, Hegermann J, Locatelli T, Rüegg C, Gysin C, Rassouli F, Brutsche M. Text mining-based measurement of precision of polysomnographic reports as basis for intervention. *J Biomed Semantics* 2022; 13:5.

Studer S, Rassouli F, Waldeck F, Brutsche M, Baty F, Albrich W. No evidence of harmful effects of steroids in severe exacerbations of COPD associated with influenza. *Infection* 2022; 50:699-707.

Baty F, Albrich W, Flatz L, Rodriguez R, Rothschild S, Jörgen M, Früh M, Brutsche M. Local tumor microbial signatures and response to checkpoint blockade in non-small cell lung cancer. *Oncoimmunology* 2021; 10:1988403.

Barnsteiner S, Kohler P, Kronenberg A, Schlegel M, Plüss-Suard C, Gasser M, Babouee Flury B, Albrich W, Baty F, Swiss Centre for Antibiotic Resistance (ANRESIS). Antimicrobial resistance and antibiotic consumption in intensive care units, Switzerland, 2009 to 2018. *Euro Surveill* 2021; 26

Braun F, Ferrario D, Brutsche M, Annaheim S, Baty F, Proust Y, Proenca M, Theurillat P, Bonnier G, Lemay M. Influence of Measurement Location on Reflectance Pulse Oximetry in Sleep Apnea Patients: Wrist vs. Upper Arm. *Annu Int Conf IEEE Eng Med Biol Soc* 2021; 2021:1297-1300.

Sykora M, Gasteiger S, Baty F, Brutsche M, Sopper S. OMIP 077: Definition of all principal human leukocyte populations using a broadly applicable 14-color panel. *Cytometry A* 2021

<p>Horvath C, Brill A, Baty F, Brutsche M. Efficacy of non-invasive intelligent volume assured pressure support (iVAPS) and pressure support ventilation (PSV) in clinical practice. <i>Swiss Med Wkly</i> 2021; 151:w20506.</p>
<p>Baty F, Rothschild S, Tamm M, Jörgler M, Früh M, Brutsche M. Tumour neoantigen mimicry by microbial species in cancer immunotherapy. <i>Br J Cancer</i> 2021; 125:313-323.</p>
<p>Walter A, Baty F, Rassouli F, Bilz S, Brutsche M. Diagnostic precision and identification of rare diseases is dependent on distance of residence relative to tertiary medical facilities. <i>Orphanet J Rare Dis</i> 2021; 16:131.</p>
<p>Dmitrijeva M, Kahlert C, Feigelman R, Kleiner R, Nolte O, Albrich W, Baty F, Von Mering C. Strain-Resolved Dynamics of the Lung Microbiome in Patients with Cystic Fibrosis. <i>MBio</i> 2021; 12</p>
<p>Brugger F, Wegener R, Baty F, Walch J, Krüger M, Hägele-Link S, Bohlhalter S, Kägi G. Facilitatory rTMS over the Supplementary Motor Cortex Impedes Gait Performance in Parkinson Patients with Freezing of Gait. <i>Brain Sci</i> 2021; 11</p>
<p>Baty F. Special Issue: ECG Monitoring System. <i>Sensors (Basel)</i> 2021; 21</p>
<p>Rassouli F, Tamm M, Sievi N, Tschirren U, Widmer S, Kähler C, Brack T, Thurnheer R, Stolz D, Kohler M, Baty F, Germann A, Brutsche M. Telehealth mitigates COPD disease progression compared to standard of care: a randomized controlled crossover trial. <i>J Intern Med</i> 2021; 289:404-410.</p>
<p>Rassouli F, Tinschert P, Barata F, Steurer-Stey C, Fleisch E, Puhan M, Baty F, Kowatsch T, Brutsche M. Characteristics of Asthma-related Nocturnal Cough: A Potential New Digital Biomarker. <i>J Asthma Allergy</i> 2020; 13:649-657.</p>
<p>Tonko S, Baty F, Brutsche M, Schoch O. Length of hospital stay for TB varies with comorbidity and hospital location. <i>Int J Tuberc Lung Dis</i> 2020; 24:948-955.</p>
<p>Khan P, Geiser T, Gazdhar A, Knudsen L, Roux J, Tamm M, Brutsche M, Baty F, Hostettler K. Transcriptomic profiling reveals disease-specific characteristics of epithelial cells in idiopathic pulmonary fibrosis. <i>Respir Res</i> 2020; 21:165.</p>
<p>Baty F, Widmer S, Annaheim S, Fontana P, Camenzind M, Rossi R, Schoch O, Brutsche M. Classification of Sleep Apnea Severity by Electrocardiogram Monitoring Using a Novel Wearable Device. <i>Sensors (Basel)</i> 2020; 20</p>
<p>Albrich W, Rassouli F, Waldeck F, Christoph B, Baty F. Influence of Older Age and Other Risk Factors on Pneumonia Hospitalization in Switzerland in the Pneumococcal Vaccine Era. <i>Front Med (Lausanne)</i> 2019; 6:286.</p>
<p>Fontana P, Martins N, Camenzind M, Baty F, Schoch O, Brutsche M, Rossi R, Annaheim S. Applicability of a Textile ECG-Belt for Unattended Sleep Apnoea Monitoring in a Home Setting. <i>Sensors (Basel)</i> 2019; 19</p>
<p>Schoch O, Baty F, Benz G, Niedermann J, Brutsche M. Telemedicine for Continuous Positive Airway Pressure in Sleep Apnea: A Randomized, Controlled Study. <i>Ann Am Thorac Soc</i> 2019</p>
<p>Baty F, Rumpold H, Sopper S, Wolf D, Brutsche M. Fibroblasts in cancer: Defining target structures for therapeutic intervention. <i>Biochim Biophys Acta Rev Cancer</i> 2019; 1872:111-121.</p>

<p>Fontana P, Martins N, Camenzind M, Rossi R, Baty F, Schoch O, Brutsche M, Annaheim S. Clinical Applicability of a Textile 1-Lead ECG Device for Overnight Monitoring. <i>Sensors (Basel)</i> 2019; 19</p>
<p>Papakonstantinou E, Welte T, Torres A, Lacombe A, Rohde G, Aerts J, Blasi F, Kostikas K, Stieltjes B, Boersma W, Milenkovic B, Louis R, Baty F, Schumann D, Tamm M, Roth M, Bonovolas I, Stolz D. Serum levels of hyaluronic acid are associated with COPD severity and predict survival. <i>Eur Respir J.</i> 2019; 53</p>
<p>Brutsche M, Rassouli F, Gallion H, Kalra S, Roger V, Baty F. Diagnostic diversity - an indicator of institutional and regional healthcare quality. <i>Swiss Med Wkly</i> 2018; 148:w14691.</p>
<p>Hostettler K, Baty F, Kleiner R, Junker L, Tamm M, Brutsche M. Bosentan for patients with steroid-resistant pulmonary sarcoidosis: a randomised controlled trial. <i>Swiss Med Wkly</i> 2018; 148:w14677.</p>
<p>Horvath C, Jossen J, Kröll D, Nett P, Baty F, Brill A, Ott S. Prevalence and Prediction of Obstructive Sleep Apnea Prior to Bariatric Surgery-Gender-Specific Performance of Four Sleep Questionnaires. <i>Obes Surg</i> 2018; 28:2720-2726.</p>
<p>Baty F, Ritz C, Jensen S, Kern L, Tamm M, Brutsche M. Multimodel inference applied to oxygen recovery kinetics after 6-min walk tests in patients with chronic obstructive pulmonary disease. <i>PLoS one</i> 2017; 12:e0187548.</p>
<p>Rassouli F, Baty F, Stolz D, Albrich W, Tamm M, Widmer S, Brutsche M. Longitudinal change of COPD assessment test (CAT) in a telehealthcare cohort is associated with exacerbation risk. <i>Int J Chron Obstruct Pulmon Dis</i> 2017; 12:3103-3109.</p>
<p>Annaheim S, Camenzind M, Schoch O, Brutsche M, Baty F, Rossi R. Session 59. Biosignal processing and monitoring IV. <i>Biomed Tech (Berl)</i> 2017; 62:s526-s530.</p>
<p>Baty F, Jörgen M, Früh M, Klingbiel D, Zappa F, Brutsche M. 24h-gene variation effect of combined bevacizumab/erlotinib in advanced non-squamous non-small cell lung cancer using exon array blood profiling. <i>J Transl Med</i> 2017; 15:66.</p>
<p>Feigelman R, Kahlert C, Baty F, Rassouli F, Kleiner R, Kohler P, Brutsche M, Von Mering C. Sputum DNA sequencing in cystic fibrosis: non-invasive access to the lung microbiome and to pathogen details. <i>Microbiome</i> 2017; 5:20.</p>
<p>Gachechiladze M, Soltermann A, Weder W, Stahel R, Baty F, Kolář Z, Bouchal J, Langová K, Grygárková I, Kolek V, Škarda J, Jörgen M. Prognostic and predictive value of loss of nuclear RAD51 immunoreactivity in resected non-small cell lung cancer patients. <i>Lung Cancer</i> 2017; 105:31-38.</p>
<p>Horvath C, Brutsche M, Schoch O, Schillig B, Baty F, vonOw D, Rüdiger J. Erratum to: NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. <i>Intern Emerg Med</i> 2017; 12:1339.</p>
<p>Baty F, van Gestel A, Kern L, Brutsche M. Oxygen Uptake Recovery Kinetics after the 6-Minute Walk Test in Patients with Chronic Obstructive Pulmonary Disease. <i>Respiration</i> 2016; 92:371-379.</p>
<p>Horvath C, Brutsche M, Baty F, Rüdiger J. Transcutaneous versus blood carbon dioxide monitoring during acute noninvasive ventilation in the emergency department - a retrospective analysis. <i>Swiss Med Wkly</i> 2016; 146:w14373.</p>

Putora P, Szentesi K, Glatzer M, Rodriguez R, Müller J, Baty F, Früh M. SUVmax and Tumour Location in PET-CT Predict Oncogene Status in Lung Cancer. *Oncol Res Treat* 2016; 39:681-686.

Horvath C, Brutsche M, Schoch O, Schillig B, Baty F, vonOw D, Rüdiger J. NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. *Intern Emerg Med* 2016

Baty F. NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. *Intern Emerg Med* 2016

Baty F. NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. *Intern Emerg Med* 2016; 12:1215-1223.

Baty F. NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. *Intern Emerg Med* 2016; 12:1215-1223.

Baty F. NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. *Intern Emerg Med* 2016; 12:1215-1223.

Baty F. NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. *Intern Emerg Med* 2016; 12:1215-1223.

Baty F. NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. *Intern Emerg Med* 2016; 12:1215-1223.

Baty F. NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. *Intern Emerg Med* 2016; 12:1215-1223.

Baty F. NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. *Intern Emerg Med* 2016; 12:1215-1223.

Rassouli F, Pfister M, Widmer S, Baty F, Burger B, Brutsche M. Telehealthcare for Chronic Obstructive Pulmonary Disease in Switzerland Is Feasible and Appreciated by Patients. *Respiration* 2016; 92:107-113.

Neumair P, Cerny T, Krähenbühl S, Baty F, Brutsche M, Früh M, Hitz F, Ess S, Dutly A, Warschkow R, Joos L, Jörgler M. Erlotinib has comparable clinical efficacy to chemotherapy in pretreated patients with advanced non-small cell lung cancer (NSCLC): A propensity-adjusted, outcomes research-based study. *Lung Cancer* 2016; 100:38-44.

Baty F, Ritz C, van Gestel A, Brutsche M, Gerhard D. Modeling the oxygen uptake kinetics during exercise testing of patients with chronic obstructive pulmonary diseases using nonlinear mixed models. *BMC Med Res Methodol* 2016; 16:66.

Cernomaz A, Brutsche M, Zonda R, Peter S, Baty F, Marinca M, Grigoriu C, Pavel I, Macovei I, Grigoriu B. Comparison of next generation sequencing, SNaPshot assay and real-time polymerase chain reaction for lung adenocarcinoma EGFR mutation assessment. *BMC Pulm Med* 2016; 16:88.

Neumair P, Krähenbühl S, Baty F, Brutsche M, Früh M, Hitz F, Ess S, Warschkow R, Joos L, Jörgler M (2016). Chemotherapy is not superior to erlotinib in pretreated patients with advanced non-small cell lung cancer (NSCLC): A retrospective study - Abstrakt 169P.

<p>Baty F, Jörger M, Früh M, Brutsche M. 61PD 24h-blood profile gene expression biomarkers of the response to targeted therapy in advanced non-squamous non-small cell lung cancer (NSCLC). <i>J Thorac Oncol</i> 2016; 11:S81.</p>
<p>Pohle S, Baty F, Brutsche M. In-Hospital Disease Burden of Sarcoidosis in Switzerland from 2002 to 2012. <i>PloS one</i> 2016; 11:e0151940.</p>
<p>Trinler U, Baty F, Mündermann A, Fenner V, Behrend H, Jost B, Wegener R. Stair dimension affects knee kinematics and kinetics in patients with good outcome after TKA similarly as in healthy subjects. <i>J Orthop Res</i> 2016</p>
<p>Ritz C, Baty F, Streibig J, Gerhard D. Dose-Response Analysis Using R. <i>PloS one</i> 2015; 10:e0146021.</p>
<p>Baty F, Klingbiel D, Zappa F, Brutsche M. High-throughput alternative splicing detection using dually constrained correspondence analysis (DCCA). <i>J Biomed Inform</i> 2015</p>
<p>Baty F. A toolbox for nonlinear regression in R: the package nlstools. <i>Journal of Statistical Software</i> 2015; 66:1-21.</p>
<p>Frasnelli M, Baty F, Niedermann J, Brutsche M, Schoch O. Effect of telemetric monitoring in the first 30 days of continuous positive airway pressure adaptation for obstructive sleep apnoea syndrome - a controlled pilot study. <i>J Telemed Telecare</i> 2015; 22:209-14.</p>
<p>Alexandrova E, Weisz A, Brutsche M, Baty F, Tamm M, Stellato C, Nassa G, Hashim A, Miglino N, Borger P. Small RNA profiling reveals deregulated phosphatase and tensin homolog (PTEN)/phosphoinositide 3-kinase (PI3K)/Akt pathway in bronchial smooth muscle cells from asthmatic patients. <i>J Allergy Clin Immunol</i> 2015</p>
<p>Franzini A, Zappa F, Klingbiel D, Grigoriu B, Betticher D, Droege C, Oliver D, Macovei I, Baty F, Brutsche M. Gene expression signatures predictive of bevacizumab/erlotinib therapeutic benefit in advanced non-squamous non-small cell lung cancer patients (SAKK 19/05 trial). <i>Clin Cancer Res</i> 2015</p>
<p>Baty F. Contrasting seasonal and interannual environmental drivers in bacterial communities within shallow large lake: evidence from a seven year survey. <i>Aquatic Microbial Ecology</i> 2015</p>
<p>Kraff S, Nieuweboer A, Mathijssen R, Baty F, de Graan A, van Schaik R, Jaehde U, Jörger M. Pharmacokinetically based dosing of weekly paclitaxel to reduce drug-related neurotoxicity based on a single sample strategy. <i>Cancer Chemother Pharmacol</i> 2015</p>
<p>Kern L, Condrau S, Baty F, Wiegand J, van Gestel A, Azzola A, Tamm M, Brutsche M. Oxygen kinetics during 6-minute walk tests in patients with cardiovascular and pulmonary disease. <i>BMC Pulm Med</i> 2014; 14:167.</p>
<p>van Gestel A, Baty F, Rausch-Osthof A, Brutsche M. Cardiopulmonary and gas-exchange responses during the six-minute walk test in patients with chronic obstructive pulmonary disease. <i>Respiration</i> 2014; 88:307-14.</p>
<p>Dusemund F, Chronis J, Baty F, Albrich W, Brutsche M. The outcome of community-acquired pneumonia in patients with chronic lung disease: a case-control study. <i>Swiss Med Wkly</i> 2014; 144:w14013.</p>
<p>Valmaggia C, Baty F, Lang C, Helbig H. Ocular injuries with a metallic foreign body in the posterior segment as a result of hammering: the visual outcome and prognostic factors. <i>Retina (Philadelphia, Pa)</i> 2014; 34:1116-22.</p>

Jörger M, Zappa F, Klingbiel D, Brauchli P, Rothschild S, Gautschi O, Pless M, Ochsenbein A, von Moos R, Betticher D, Stahel R, Droege C, Früh M, Baty F, Brutsche M. Circulating microRNA profiling in patients with advanced non-squamous NSCLC receiving bevacizumab/erlotinib followed by platinum-based chemotherapy at progression (SAKK 19/05). *Lung Cancer* 2014; 85:306-13.

Dusemund F, Baty F, Brutsche M. Significant reduction of AECOPD hospitalisations after implementation of a public smoking ban in Graubunden, Switzerland. *Tob Control* 2014

Schoch O, Baty F, Niedermann J, Rüdiger J, Brutsche M. Baseline predictors of adherence to positive airway pressure therapy for sleep apnea: a 10-year single-center observational cohort study. *Respiration* 2013; 87:121-8.

Kreiner-Møller E, Bisgaard H, Poorisrisak P, Mortensen L, Hakonarsson H, Sleiman P, Kerkhof M, Vonk J, Baty F, Olsen D, Madsen J, Postma D, Koppelman G, Vissing N, Chawes B, Bønnelykke K. VEGFA variants are associated with pre-school lung function, but not neonatal lung function. *Clin Exp Allergy* 2013; 43:1236-45.

Baty F, Brutsche M, Pless M, Zappa F, Crowe S, Bubendorf L, Gautschi O, Rauch D, Cathomas R, Dröge C, Betticher D, Früh M, Rothschild S, Swiss Group for Clinical Cancer Research. EGFR Exon-Level Biomarkers of the Response to Bevacizumab/Erlotinib in Non-Small Cell Lung Cancer. *PloS one* 2013; 8:e72966.

Baty F, Rüdiger J, Miglino N, Kern L, Borger P, Brutsche M. Exploring the transcription factor activity in high-throughput gene expression data using RLQ analysis. *BMC bioinformatics* 2013; 14:178.

Baty F, Putora P, Isenring B, Blum T, Brutsche M. Comorbidities and Burden of COPD: A Population Based Case-Control Study. *PloS one* 2013; 8:e63285.

Gautschi O, Stahel R, Carbone D, Na K, Hsu Schmitz S, Bubendorf L, Baty F, Brutsche M, Pless M, Zappa F, Roder J, Grigorieva J, Roder H, Peters S, Crowe S, Dingemans A, Smit E. VeriStrat® has a prognostic value for patients with advanced non-small cell lung cancer treated with erlotinib and bevacizumab in the first line: pooled analysis of SAKK19/05 and NTR528. *Lung Cancer* 2012; 79:59-64.

Miglino N, Roth M, Baty F, Brutsche M, Tamm M, Borger P. Asthma and the regulated retrotransposon transcriptome. *Eur Respir J.* 2012; 40:788-90.

Baty F (2012). EGFR exon-level biomarkers of the response to bevacizumab-erlotinib in advanced non-squamous non-small cell lung cancer (NSCLC) - A translational substudy of SAKK 19/05.

Chhajed P, Chaudhari P, Tulasigeri C, Kate A, Kesarwani R, Miedinger D, Leuppi J, Baty F. Infraclavicular sensor site: a new promising site for transcutaneous capnography. *Scand J Clin Lab Invest* 2012; 72:340-2.

Rajski M, Vogel B, Baty F, Rochlitz C, Buess M. Global gene expression analysis of the interaction between cancer cells and osteoblasts to predict bone metastasis in breast cancer. *PloS one* 2012; 7:e29743.

Früh M, Baty F, Putora P, Brutsche M. Advances in Personalized Cancer Management. In: *Advances in Personalized Cancer Management*. November/London: Future Medicine Ltd, 2010. ISBN 978-1-78084-068-0. S. 58-67.

Bisgaard H, Hermansen M, Bønnelykke K, Stokholm J, Baty F, Skytt N, Aniscenko J, Keadze T, Johnston S. Association of bacteria and viruses with wheezy episodes in young children: prospective birth cohort study. *BMJ* 2010; 341:c4978.

Tueller C, Azzola A, Baty F, Condrau S, Wiegand J, Tamm M, Brutsche M. Six-minute walk test enhanced by mobile telemetric cardiopulmonary monitoring. *Respiration* 2010; 80:410-8.

Herth F, Peter S, Baty F, Eberhardt R, Leuppi J, Chhajed P. Combined airway and oesophageal stenting in malignant airway-oesophageal fistulas: a prospective study. *Eur Respir J.* 2010; 36:1370-4.

Ludwig P, Putora P, Rogenmoser G, Plasswilm L, Baty F, Brutsche M (2010). Factors influencing the success rates of smoking cessation intervention.

Putora P, Baty F, Ludwig P, Rogenmoser G, Plasswilm L, Brutsche M (2010). The Influence of Malignancy and Referring Department on Smoking Cessation Success.

Brasholt M, Baty F, Bisgaard H. Physical activity in young children is reduced with increasing bronchial responsiveness. *J Allergy Clin Immunol* 2010; 125:1007-12.

Chhajed P, Somandin S, Baty F, Mehta A, Azzola A, Leuppi J, Tamm M, Brutsche M. Therapeutic bronchoscopy for malignant airway stenoses: choice of modality and survival. *J Cancer Res Ther* 2010; 6:204-9.

Baty F, Tamm M, Kehren J, Buess M, Budach W, Marrer E, Savic S, Bubendorf L, Pless M, Schumacher M, Kaiser S, Facompre M, Brutsche M. Gene profiling of clinical routine biopsies and prediction of survival in non-small cell lung cancer. *American journal of respiratory and critical care medicine* 2010; 181:181-8.

Liu T, Jankovic D, Brault L, Ehret S, Baty F, Stavropoulou V, Rossi V, Biondi A, Schwaller J. Functional characterization of high levels of meningioma 1 as collaborating oncogene in acute leukemia. *Leukemia* 2010; 24:601-12.

Chhajed P, Miedinger D, Baty F, Bernasconi M, Heuss L, Leuppi J, Tamm M. Comparison of combined oximetry and cutaneous capnography using a digital sensor with arterial blood gas analysis. *Scandinavian journal of clinical and laboratory investigation* 2009

Deubelbeiss U, Gemperli A, Schindler C, Baty F, Brutsche M. Prevalence of sarcoidosis in Switzerland is associated with environmental factors. *The European respiratory journal : official journal of the European Society for Clinical Respiratory Physiology* 2009

Bisgaard H, Palmer C, Phipps C, Baty F, Tavendale R, Kim C, Stage M, Kreiner-Møller E, Chawes B, Brasholt M, Sleiman P, Bønnelykke K, Hakonarsson H. Chromosome 17q21 gene variants are associated with asthma and exacerbations but not atopy in early childhood. *American journal of respiratory and critical care medicine* 2009; 179:179-85.

Jankovic D, Mecucci C, Santoro A, Jayaraman P, Brutsche M, Baty F, Desjobert C, La Starza R, Ehret S, Liu T, Gorello P, Schwaller J. Leukemogenic mechanisms and targets of a NUP98/HHEX fusion in acute myeloid leukemia. *Blood* 2008; 111:5672-82.

Schafroth Török S, Leuppi J, Baty F, Tamm M, Chhajed P. Combined oximetry-cutaneous capnography in patients assessed for long-term oxygen therapy. *Chest* 2008; 133:1421-5.

Savic S, Baty F, Terracciano L, Herzog M, de Vito Barascud A, Bihl M, Rufle A, Grilli B, Tapia C, Bubendorf L. Comprehensive epidermal growth factor receptor gene analysis from cytological specimens of non-small-cell lung cancers. *British journal of cancer* 2008; 98:154-60.

Baty F, Jaeger D, Preiswerk F, Schumacher M, Brutsche M. Stability of gene contributions and identification of outliers in multivariate analysis of microarray data. *BMC bioinformatics* 2008; 9:289.

Brutsche M, Grossman P, Müller R, Wiegand J, Pello, Baty F, Ruch W. Impact of laughter on air trapping in severe chronic obstructive lung disease. *International journal of chronic obstructive pulmonary disease* 2008; 3:185-92.

Schuetz P, Christ-Crain M, Schild U, Süess E, Facompre M, Baty F, Nusbaumer C, Brutsche M, Müller B. Effect of a 14-day course of systemic corticosteroids on the hypothalamic-pituitary-adrenal-axis in patients with acute exacerbation of chronic obstructive pulmonary disease. *BMC pulmonary medicine* 2008; 8:1.

Chhajed P, Baty F, Pless M, Somandin S, Tamm M, Brutsche M. Outcome of treated advanced non-small cell lung cancer with and without central airway obstruction. *Chest* 2006; 130:1803-7.

Bihl M, Tamm M, Gilmartin J, Goulet S, Yang J, Staedtler F, Eryüksel E, Kehren J, Baty F, Rutherford R, Bubendorf L, Laule-Kilian K, Brutsche M. Progressive pulmonary sarcoidosis--a fibroproliferative process potentially triggered by EGR-1 and IL-6. *Sarcoidosis, vasculitis, and diffuse lung diseases : official journal of WASOG / World Association of Sarcoidosis and Other Granulomatous Disorders* 2006; 23:38-50.

Baty F, Facompre M, Wiegand J, Schwager J, Brutsche M. Analysis with respect to instrumental variables for the exploration of microarray data structures. *BMC bioinformatics* 2006; 7:422.

Chhajed P, Wallner J, Stolz D, Baty F, Strobel W, Brutsche M, Tamm M. Sedative drug requirements during flexible bronchoscopy. *Respiration; international review of thoracic diseases* 2005; 72:617-21.

Delignette-Muller M, Baty F, Cornu M, Bergis H. Modelling the effect of a temperature shift on the lag phase duration of *Listeria monocytogenes*. *International journal of food microbiology* 2005; 100:77-84.

Baty F, Bihl M, Perrière G, Culhane A, Brutsche M. Optimized between-group classification: a new jackknife-based gene selection procedure for genome-wide expression data. *BMC bioinformatics* 2005; 6:239.

Baty F, Delignette-Muller M. Estimating the bacterial lag time: which model, which precision?. *International journal of food microbiology* 2004; 91:261-77.

Lamy B, Delignette-Muller M, Baty F, Carret G. Simple table for estimating confidence interval of discrepancy frequencies in microbiological safety evaluation. *Journal of microbiological methods* 2004; 56:137-9.

Devulder G, Perrière G, Baty F, Flandrois J. BIBI, a bioinformatics bacterial identification tool. *Journal of clinical microbiology* 2003; 41:1785-7.

Baty F, Flandrois J, Delignette-Muller M. Modeling the lag time of *Listeria monocytogenes* from viable count enumeration and optical density data. *Applied and environmental microbiology* 2002; 68:5816-25.

Projekte (37)

Profiling of quitting trajectories during smoking cessation attempt (SMOKEPROFILE-Study)

Grundlagenforschung - 01.05.2021 - 30.12.2023

Laufend

Comparison of the effect of outdoor eccentric versus indoor concentric exercise training on physical capacity and quality-of-life in patients with advanced COPD (DOWNHILL-study)

Grundlagenforschung - 01.05.2021 - 30.04.2025

Laufend

Prospective observational cohort study to investigate long-term pulmonary and extrapulmonary effects of COVID-19

Klinische Forschung - 15.06.2020 - 15.12.2021

Automatisch geschlossen

Predictive markers for checkpoint-based immunotherapy in advanced non-small cell lung cancer

Grundlagenforschung - 01.01.2020 - 31.12.2021

Abgeschlossen

Swiss Severe Asthma Register

Klinische Forschung - 01.10.2019 - 31.12.2021

Automatisch geschlossen

The role of physical activity, malnutrition and sarcopenia for the prediction of acute exacerbations and the evolution of COPD assessment test (CAT) in patients with COPD

Klinische Forschung - 29.11.2018 - 30.06.2021

Abgeschlossen

Asthma control Prediction

Klinische Forschung - 01.02.2018 - 31.12.2018

Automatisch geschlossen

Effect of induction chemotherapy on lung function measured by spirometry and 6-Minute walking test in patients affected by non-small cell lung cancer (NSCLC)

Grundlagenforschung - 01.01.2018 - 31.12.2020

Automatisch geschlossen

Azithromycin for the treatment of cough in idiopathic pulmonary fibrosis

Klinische Forschung - 01.10.2017 - 01.12.2018

Automatisch geschlossen

A multicenter, randomized, 52-week, double-blind, parallel group, active controlled study to compare the efficacy and safety of QVM149 with QMF149 in patients with asthma

Klinische Forschung - 11.11.2016 - 31.03.2018

Automatisch geschlossen

A 52-week, multicenter, randomized, double-blind, placebocontrolled study to assess the efficacy and safety of QAW039 when added to existing asthma therapy in patients with uncontrolled severe asthma

Klinische Forschung - 11.09.2016 - 31.03.2018

Automatisch geschlossen

Prevalence and functional role of read-through fusion transcripts in lung cancer

Grundlagenforschung - 01.06.2016 - 31.12.2018

Automatisch geschlossen

A randomised controlled, international, multicentre crossover trial. We want to test, whether telehealthcare can improve HRQOL and reduce emergency admissions and hospitalisations due to AECOPD

Klinische Forschung - 11.05.2016 - 31.12.2018

Automatisch geschlossen

Cardiopulmonary- and hemodynamic responses during positive and negative airway pressure in patients with chronic obstructive pulmonary disease

Grundlagenforschung - 01.10.2015 - 01.08.2016

Automatisch geschlossen

Cardiopulmonary- and hemodynamic responses during positive and negative airway pressure in patients with chronic obstructive pulmonary disease (COPD)

Grundlagenforschung - 01.07.2015 - 01.03.2016

Automatisch geschlossen

Effect of counselling during pulmonary rehabilitation on self-determined motivation towards physical activity in patients with Chronic Obstructive Pulmonary Disease

Grundlagenforschung - 15.06.2015 - 31.01.2017

Automatisch geschlossen

Characterizing sleep apnea by using a wearable electro EMPA cardiogram device

Grundlagenforschung - 01.06.2015 - 01.12.2016

Automatisch geschlossen

LONGACT study

Klinische Forschung - 24.03.2015 - 24.03.2015

Abgebrochen

Telehealthcare in COPD – a Feasibility Trial

Klinische Forschung - 01.02.2015 - 01.02.2016

Abgeschlossen

Predictive and prognostic value of integrated exon-level expression to approach drug-response and resistance to EGFR-targeted treatment in non-small cell lung cancer

Grundlagenforschung - 01.01.2015 - 31.12.2016

Automatisch geschlossen

Airway microbiota resistome in CF – impact on clinical management

Grundlagenforschung - 01.09.2014 - 31.12.2016

Automatisch geschlossen

Blood pressure variability during the 6-minute walk test in patients with Chronic Obstructive Pulmonary Disease (COPD): A case-control study

Grundlagenforschung - 10.03.2014 - 01.06.2015

Abgeschlossen

Thoroskopische Handheld-SPECT gesteuerte Ektomie von radioaktiv-markierten pulmonalen Rundherden

Klinische Forschung - 01.11.2013 - 31.10.2015

Automatisch geschlossen

Genome-wide Gene/Exon expression analysis of late stage NSCLC treated by Erlotinib /Bevacizumab: role of tumor-stroma interactions

Grundlagenforschung - 01.02.2013 - 01.06.2015

Abgeschlossen

Systems biology approach to molecularly characterize the lung cancer microenvironment

Grundlagenforschung - 01.01.2013 - 31.12.2014

Abgeschlossen

Improved adherence to CPAP by Telemetric Support in Newly diagnosed OSAS Patients

Grundlagenforschung - 01.01.2013 - 01.03.2013

Abgeschlossen

Telemedicine to enhance CPAP adherence in OSAS – A randomized placebo-controlled prospective study

Klinische Forschung - 01.01.2013 - 31.12.2015

Abgeschlossen

Integrative Translational Research Network for Lung Cancer (ITRNLC)

Grundlagenforschung - 01.10.2012 - 31.12.2015

Abgeschlossen

The significance of Defensin alpha 4 in the pathophysiology of the adrenal insufficiency in inflammatory lung diseases

Grundlagenforschung - 01.09.2012 - 01.09.2013

Abgebrochen

Significant reduction of AECOPD hospitalizations after implementation of a public smoking ban in Graubünden, Switzerland

Grundlagenforschung - 01.09.2012 - 01.06.2013

Abgeschlossen

Circulating micro-RNA profiling in patients with advanced non-squamous non small-cell lung cancer receiving bevacizumab/erlotinib first-line treatment followed by platinum-based chemotherapy at disease progression (SAKK 19/05)

Grundlagenforschung - 01.04.2012 - 01.09.2013

Abgeschlossen

Pleural pharmacokinetics of moxifloxacin and amoxicillin-clavulanate in the context of parapneumonic pleural effusions and empyema

Klinische Forschung - 01.12.2011 - 31.12.2012

Abgeschlossen

St. Gallen Lung Biopsy Biobank - An interdisciplinary collaboration in pulmonary medicine

Grundlagenforschung - 01.09.2011 - 31.12.2030

Automatisch geschlossen

Comorbidities and burden of COPD: a population based case-control study

Grundlagenforschung - 01.06.2011 - 01.06.2013

Abgeschlossen

Eine randomisierte, aktiv kontrollierte, doppelblinde, Double-Dummy, multizentrische Parallelgruppen-Studie zum Vergleich der Wirksamkeit und Sicherheit von 2,5µg und 5 µg Tiotropium-Inhalations-Lösung, inhaliert mittels Respimat®-Inhalator gegenüber Tiotropium-Inhalationskapseln 18µg, inhaliert mittels HandiHaler® TIOSPIR-Studie

Klinische Forschung - 15.05.2010 - 15.12.2013

Abgeschlossen

An extension study to QT1571A2301 to evaluate the longterm safety, tolerability and efficacy of oral QT1571 (imatinib) in the treatment of severe pulmonary arterial hypertension: IMPRESS Extension

Klinische Forschung - 01.12.2009 - 01.12.2011

Abgebrochen

Randomized placebo-controlled, double-blind exploratory trial of Bosentan for steroid resistant pulmonary sarcoidosis - the BOSSA study

Klinische Forschung - 01.07.2007 - 01.07.2013

Abgeschlossen

Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

support.forschung@kssg.ch