

## Conferences

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### Oral contributions to conferences (talks)

- **Rothen, N.**, & Ovalle Fresa, R. (2019, September). Synesthesia and expertise share common cognitive profiles. Talk presented at the ESCOP, 21st Conference of the European Society for Cognitive Psychology, Tenerife (Spain).
- Ovalle Fresa, R., & **Rothen, N.** (2018, March). Training improves recall precision for colours of novel objects. Talk presented at the TEAP, 60th Conference of Experimental Psychologists, Marburg (Germany).
- **Rothen, N.**, & Ovalle Fresa, R. (2018, March). Enhanced colour perception and memory for colours in grapheme-colour synaesthetes and colour experts. Talk presented at the TEAP, 60th Conference of Experimental Psychologists, Marburg (Germany).
- **Rothen, N.**, & Meier, B. (2017, March). Time-of-day affects prospective memory differently in younger and older adults. Talk presented at the TEAP, 59th Conference of Experimental Psychologists, Dresden (Germany).
- **Rothen, N.**, Schwartzman, D. J., Bor, D., & Seth, A. K. (2017, September). Neural, behavioural, and phenomenological changes in training-induced synaesthesia. Talk presented at the ESCOP, 20th Meeting of the European Society for Cognitive Psychology, Potsdam (Germany).
- Ovalle Fresa, R., & **Rothen, N.** (2016, July). Evidence for a perception memory continuum: an EEG study in a healthy population. Talk presented at the ICOM, 6th International Conference on Memory, Budapest (Hungary).
- **Rothen, N.**, & Meier, B. (2016, July). Right ear advantage in prospective memory: the retrieval strategy makes the difference. Talk presented at the ICOM, 6th International Conference on Memory, Budapest (Hungary).
- **Rothen, N.**, Schwartzman, D. J., Bor, D., & Seth, A. K. (2016, April). Neural, behavioural, and phenomenological changes in training-induced synaesthesia. Talk presented at the UKSA, 9th Conference of the UK Synaesthesia Association, Dublin (UK).
- **Rothen, N.**, & Meier, B. (2015, April). Automatic and controlled processes in prospective memory retrieval, age, and time of day. Talk presented at the TEAP, 57th Conference of Experimental Psychologists, Hildesheim (Germany).
- **Rothen, N.**, Nagai, Y., & Rusted, J. (2015a, September). Psychophysiology of Prospective Memory: The effects of autonomic arousal and cue-focality on prospective memory retrieval. Talk presented at the ESCOP, 19th Meeting of the European Society for Cognitive Psychology, Paphos (Cypress).
- **Rothen, N.**, Nagai, Y., & Rusted, J. (2015b, September). Psychophysiology of Prospective Memory: The effects of autonomic arousal and cue-focality on prospective memory retrieval. Talk presented at the SGP, 14th Conference of the Swiss Psychological Society, Geneva (Switzerland).
- **Rothen, N.**, & Meier, B. (2014, September). Attention affects prospective memory performance in dichotic listening paradigm. Talk presented at the SGP, 49th Conference of the German Psychological Society, Bochum (Germany).
- **Rothen, N.**, Schwartzman, D. J., Canal, P., & Ward, J. (2014, April). Neurophysiological Basis of Enhanced Memory in Synaesthesia. Talk presented at the UKSA, 8th Conference of the UK Synaesthesia Association, London (UK).
- **Rothen, N.**, & Ward, J. (2013, August). Memory: Insights from grapheme-colour synaesthesia. Talk presented at the ESCOP, 18th Meeting of the European Society for Cognitive Psychology, Budapest (Hungary).
- **Rothen, N.**, Meier, B., & Ward, J. (2012, June). Enhanced memory ability: Insights from synaesthesia. Talk presented at the IMRF, 13th International Multisensory Research Forum, Oxford (UK).

- **Rothen, N.**, Seth, A. K., & Ward, J. (2012, April). How synaesthesia affects different memory systems and processes. Talk presented at the UKSA, 7th Conference of the UK Synaesthesia Association, Oxford (UK).
- **Rothen, N.**, & Meier, B. (2011, August). Grapheme-colour synaesthesia yields an ordinary rather than extraordinary memory advantage, Evidence from a group study. Talk presented at the ICOM, 5th International Conference on Memory, York (UK).
- **Rothen, N.**, & Meier, B. (2010a, March). Psychophysiological signature of prospective memory and emotional reactions. Talk presented at the TEAP, 52th Conference of Experimental Psychologists, Saarbrücken (Germany).
- **Rothen, N.**, & Meier, B. (2010b, April). Do synaesthetes have general memory advantages? Talk presented at the ArteCita, 3rd International Conference on Synaesthesia, Science and Art, Granada (Spain).
- **Rothen, N.**, Nyffeler, T., von Wartburg, R., Müri, R., & Meier, B. (2010, March). The synaesthetic conditioning task reveals that parieto-occipital suppression eliminates implicit bidirectionality in grapheme-colour synaesthesia. Talk presented at the UKSA, 5th Conference of the UK Synaesthesia Association, Brighton (UK).
- **Rothen, N.**, & Meier, B. (2009, March). Do synaesthetes have general memory advantages? Talk presented at the PSYCHO, 6th National Conference for Psychology Students, Kandersteg (Switzerland).
- **Rothen, N.**, & Meier, B. (2008a, March). Do synaesthetes have a general advantage in visual search and episodic memory? Talk presented at the UKSA, 4th Conference of the UK Synaesthesia Association, Edinburgh (UK).
- **Rothen, N.**, & Meier, B. (2008b, March). Do synaesthetes have a general advantage in visual search and episodic memory? A case for group studies. Talk presented at the PSYCHO, 5th National Conference for Psychology Students, Vaudarcus (Switzerland).

## Oral contributions to conferences (posters)

- Ovalle Fresa, R., & **Rothen, N.** (2019, September). Development of synaesthetic consistency: Repeated engagement with graphemes and colours leads to consistent associations. Poster presented at the ESCOP, 21st Conference of the European Society for Cognitive Psychology, Tenerife (Spain).
- Ovalle Fresa, R., & **Rothen, N.** (2018a, May). Training can enhance precision of colour-representations in visual long-term memory. Poster presented at the International Meeting of the Psychonomic Society, Amsterdam (Netherlands).
- Ovalle Fresa, R., & **Rothen, N.** (2018b, May). Enhancing visual mental representations: a training study. Poster presented at the CNB, Clinical Neuroscience Bern - 13th Annual Meeting, Bern (Switzerland).
- **Rothen, N.** (2018, October). From perception to memory: a comparison of colour experts and colour synaesthetes. Poster presented at the Royal Society discussion meeting "Bridging senses: new developments in synaesthesia", London (UK).
- **Rothen, N.**, & Ovalle Fresa, R. (2018a, May). Colour perception and colour memory in colour synaesthetes and colour experts: a comparison. Poster presented at the International Meeting of the Psychonomic Society, Amsterdam (Netherlands).
- **Rothen, N.**, & Ovalle Fresa, R. (2018b, May). Comparable benefits in perception and memory for colour synaesthetes and colour experts. Poster presented at the CNB, Clinical Neuroscience Bern - 13th Annual Meeting, Bern (Switzerland).
- Ovalle Fresa, R., & **Rothen, N.** (2016, April). Evidence for a perception memory continuum: an EEG study in a healthy population. Poster presented at the CNB, Clinical Neuroscience Bern - 11th Annual Meeting, Bern (Switzerland).
- **Rothen, N.**, Seth, A. K., & Ward, J. (2012, July). How synaesthesia affects different memory systems and processes. Poster presented at the ASSC, 16th Conference of the Association for the Scientific Study of Consciousness, Brighton (UK).
- **Rothen, N.**, Nikolić, D., Jürgens, U. M., Mroczko-Wąsowicz, A., Cock, J., & Meier, B. (2011, March). Swimming-style colour synaesthesia: Genuine or acquired through training? Poster presented at the UKSA, 6th Conference of the UK Synaesthesia Association, London (UK).

- **Rothen, N., & Meier, B.** (2010, March). Psychophysiological signature of prospective memory. Poster presented at the TEAP, 52th Conference of Experimental Psychologists, Saarbrücken (Germany).
- **Rothen, N., Nyffeler, T., von Wartburg, R., Müri, R., & Meier, B.** (2010, November). Parieto-occipital suppression eliminates implicit bidirectionality in grapheme-colour synaesthesia. Poster presented at the CNB, Clinical Neuroscience Bern - 6th Annual Meeting, Bern (Switzerland).
- **Rothen, N., & Meier, B.** (2009, December). Grapheme-colour synaesthesia yields an ordinary rather than extraordinary memory advantage. Poster presented at the CNB, Clinical Neuroscience Bern - 5th Annual Meeting, Bern (Switzerland).
- **Rothen, N., Nyffeler, T., von Wartburg, R., Müri, R., & Meier, B.** (2008, November). Does synesthesia work bi-directionally? A TMS study. Poster presented at the CNB, Clinical Neuroscience Bern - 4th Annual Meeting, Bern (Switzerland).
- **Rothen, N., & Meier, B.** (2007, December). Psychophysiological signature of prospective memory and emotional reactions. Poster presented at the CNB, Clinical Neuroscience Bern - 3rd Annual Meeting, Bern (Switzerland).
- **Rothen, N., & Meier, B.** (2006, December). Synaesthesia creates opportunities for emotional learning. Poster presented at the CNB, Clinical Neuroscience Bern - 2nd Annual Meeting, Bern (Switzerland).

## Outreach activities (most recent radio and newspaper interviews)

- **Rothen, N.** (2019, March). Bildung im digitalen Zeitalter—Kosten und Nutzen? Talk presented at the OCOM EVENT: Maximal digital? Schule der Zukunft, Brig (Switzerland).
- **Bellwald, W.** (2018, December 20). Synästhesie: Eine ganz besondere Form der Wahrnehmung. Rhone Zeitung. Retrieved from <https://www.1815.ch/rhonezeitung/zeitung/region/synaesthesie-eine-ganz-besondere-form-der-wahrnehmung-46227/>
- **Hofman, M.** (2018, November 25). Radio Bern RaBe. Retrieved January 31, 2019, from <https://rabe.ch/tag/nicolas-rothen/>
- **Schnydrig, S.** (2018, June 26). Reizüberflutung: Synästhetiker sehen Töne und schmecken Farben. Blick. Retrieved from <https://www.blick.ch/life/wissen/menschen/wie-synaesthetiker-die-welt-wahrnehmen-ein-leben-mit-verknuepften-sinnen-id8529243.html>