



Deutsche
Gesellschaft für
Neurogastroenterologie und
Motilität e.V.



Programm

25. DGNM-JAHRESTAGUNG

2. – 4. März 2018



Wissenschaftliche Leitung:

Prof. Dr. med. M. A. Storr MHBA, Starnberg
Prof. Dr. med. A. Stengel, Tübingen/Berlin

Veranstalter:

Deutsche Gesellschaft für
Neurogastroenterologie und Motilität (DGNM)

Veranstaltungsort:

Pallotti Haus | Pallottinerstr. 2 | 85354 Freising

Änderungen vorbehalten, Stand: 13. Februar 2018

Programm

Freitag, 02. März 2018

18.00 Anreise und Abendessen

im Anschluss Treffen im hauseigenen Kellerstüberl

Samstag, 03. März 2018

08.00 – 08.15 Eröffnung / Begrüßung in Freising

M. Storr (Starnberg)

08.15 – 09.15 Sitzung I: Basic – ENS

Vorsitz: G. Mazzuoli-Weber (Hannover)

08.15 – 08.30 Investigation of the localization and function of the P2X7 receptor in colonic myenteric plexus preparations using a BAC transgenic P2X7-EGFP mouse model.

T. Joos, S. Freisberg, S. Zierler, F. Koch-Nolte, M. Schemann, J. Zhang, A. Nicke (München)

08.30 – 08.45 Mechanosensitive properties of submucosal enteric neurons.

F. Kreutz, M. Schemann, G. Mazzuoli-Weber (Freising, Hannover)

08.45 – 09.00 Pollen extracts of birch and ragweed activate human and guinea pig submucous neurons and guinea pig DRG neurons.

S. Schäufele, S. Buhner, S. Gilles-Stein, I. E. Demir, G. Ceyhan, F. Zeller, C. Traidl-Hoffmann, M. Schemann (München, Augsburg, Freising)

09.00 – 09.15 How big is the little brain in the gut?

K. Michel, B. Kuch, S. Dengler, I. E. Demir, G. Ceyhan, M. Schemann (Freising, München)

09.15 – 10.00 Sitzung II: Translational – food intake, stress


Vorsitz: M. Goebel-Stengel (Rottweil, Tübingen)

09.15 – 09.30 Phoenixin-14 injected intracerebroventricularly but not intraperitoneally stimulates food intake in rats.

*M. A. Schalla, P. Prinz, T. Friedrich, S. Scharner, P. Kobelt, M. Goebel-Stengel, M. Rose, A. Stengel (Berlin, Rottweil, Tübingen)

Programm to 25th Annual Meeting of DGNM (German Society for Neurogastroenterology and Motility). An European ESNM (European Society of Neurogastroenterology and Motility) endorsed event. Follow DGNM on:

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Organizer:

Deutsche Gesellschaft für Neurogastroenterologie und Motilität (DGNM)
Geschäftsstelle Gastro-Haus, Olivaer Platz 7, 10707 Berlin

- 09.30 – 09.45 Iberogast prevents changes in intestinal permeability induced by psychological stress in mice.
M. Neunlist (Nantes Frankreich)
- 09.45 – 10.00 NUCB2/nesfatin-1 is associated with the severity of eating disorder symptoms in female obese patients.
E. Weibert, T. Hofmann, U. Elbelt, M. Rose, A. Stengel (Berlin, Tübingen)

10.00 – 10.30 Kaffeepause

10.30 – 12.00 Sitzung III: Basic – motility, inflammation

Vorsitz: I. E. Demir (München)

- 10.30 – 10.45 Effects of the cysteine-protease papain on gastric motility.
A. Annahazi, M. Schemann (Freising)
- 10.45 – 11.00 Interaction between G protein-coupled receptors 119 and CB1 receptors in the modulation of gastrointestinal motility in vivo and in vitro.
A. Sibae, L. Botteselle (München, Chur Schweiz)
- 11.00 – 11.15 NO-sensitive guanylyl cyclase modulates efficiency and frequency of long distance contractions in murine colon.
K. Beck, B. Voussen, A. Vincent, D. Groneberg, S. P. Parsons, J. D. Huizinga, A. Friebe (Würzburg, Hamilton Kanada)
- 11.15 – 11.30 Synergistic and additive effects of myrrh, chamomile and coffee charcoal enhance antispasmodic and cytokine/chemokine-inhibiting activity of the herbal combination.
C. Vissienon, S. Paulo, D. Hammoud, K.-H. Goos, K. Nieber, J. Arnhold (Leipzig)
- 11.30 – 11.45 Multi-target effects unraveled: synergistic effects of herbal active substances in intestinal smooth muscle.
O. Kelber, K. Nieber (Darmstadt, Leipzig)
- 11.45 – 12.00 Motility responses to STW-5 depend on location
M. Gries, O. Kelber, K.-H. Schäfer (Zweibrücken, Darmstadt)
- 12.00 – 12.15 Menthacarin attenuates murine experimental colitis.
M. Engel (Erlangen)

12.15 – 13.15 Mittagessen

13.15 – 14.15 State of the art lecture

Vorsitz: M. Storr (Starnberg)

Nutrient sensing by enteroendocrine cells in the intestine

F. Reimann (Cambridge, Großbritannien)

14.15 – 15.30 Sitzung IV: Translational – methods

Vorsitz: F. Cossais (Kiel)

- 14.15 – 14.30 A standardized and mechanically stable collagen based cell scaffold for neural cell cultures of the gastrointestinal tract.
K. Nothelfer, M. Scharr, Y. Zhang, P. H. Neckel, J. Berger, F. Obermayr, L. Just (Tübingen)
- 14.30 – 14.45 Development of Aminolipin - a novel fixative in the face of the current formaldehyde crisis.
P. Neckel, C. Gleiser, C. Zeyher, A. Wagner, H. Kalbacher, A. F. Mack, L. Just, B. Hirt (Tübingen)
- 14.45 – 15.00 Animal experiments for scientific purposes – from application for approval to load evaluation.
K. Eifers, G. Mazzuoli-Weber (Hannover)
- 15.00 – 15.15 Neurotransmission and contractility of human colon muscle as bioassay to predict critical illness polyneuropathy (CIP).
R. Patejdl, J. Ehler, K. Zanaty, T. Noack (Rostock)
- 15.15 – 15.30 Cryoconservation of enteric neurospheres
R. Khasanov, K.-H. Schäfer (Zweibrücken)

15.30 – 16.00 Kaffeepause

16.00 – 17.15 Sitzung V: Translational – ENS

Vorsitz: R. Patejdl (Rostock)

- 16.00 – 16.15 Case report: autoimmune constipation – a new disease?
M. Schemann, A. Kumar, T. Schlüter, T. Frieling (Freising, Krefeld)
- 16.15 – 16.30 Postnatal human enteric neurospheres show intraindividual and interindividual variability on molecular level.
*S. Schmitteckert, T. Mederer, R. Roeth, P. Guenther, S. Holland-Cunz, M. Metzger, C. Beretta, G. Rappold, P. Romero, B. Niesler (Heidelberg)
- 16.30 – 16.45 Interstitial cells of Cajal and smooth muscle cells derive from a common precursor at a late embryonic and early postnatal stage.
S. Klein, B. Seidler, R. M. Schmid, R. Rad, G. Schneider, D. Saur (München)

16.45 – 17.00	Evolution of the expression of the transcription factor TFAP2a and related transcription network during the postnatal maturation of the enteric nervous system. F. Cossais, T. Durand, J. Mazzocco, C. Julien, T. Wedel, M. Neunlist (Kiel, Nantes Frankreich)
17.00 – 17.15	Interactions between enteric nervous system and muscle cells in constructed of functional muscle layers in vitro. R. Khasanov, L. M. Wessel, K.-H. Schäfer (Mannheim)
17.15 – 18.15	Sitzung VI: Translational – microbiome, probiotics Vorsitz: A. Stengel (Tübingen, Berlin)
17.15 – 17.30	Specificity of the gastrointestinal microbiota in anorexia nervosa compared to other states of hunger in vertebrates. I. Mack, J. Penders, J. Cook, J. Dugmore, N. Mazurak, S. Zipfel, P. Enck (Tübingen)
17.30 – 17.45	Influence of carbohydrate intolerance on irritable bowel syndrome and microbiome diversity - an explorative clinical study. J. S. Bobardt, A. Mack, A. K. Haß, M. Greif, R. M. Schmid, C. K. Stein-Thoeringer (München, New York USA)
17.45 – 18.00	The therapeutic activity of the herbal preparation, STW 5, on the GIT involves its beneficial effect on the intestinal microbiome. M. Khayyal, N. A. Tawab, S. El-Sayed, O. Kelber, H. Abdel-Aziz (Kairo Ägypten, Darmstadt)
18.00 – 18.15	Activation of the enteric nervous system and gut motility by probiotics. M. Weyland, M. Martin, A.-K. Backes, A. Schwiertz, K. Zimmermann, K.-H. Schäfer (Zweibrücken)
18.15 – 19.15	Abendessen
19.15 – 21.15	Mitgliederversammlung M. Storr, A. Stengel, P. Enck (Starnberg, Tübingen, Berlin)
21.15 – 0.00	Geselliger Abend im La Forchetta D'Oro, Düwellstr. 18c, 85354 Freising

Sonntag, 4. März 2018

09.00 – 09.45	Preis für Neurogastroenterologie Vorsitz: T. Frieling (Krefeld) Tissue clearing in neurogastroenterological research P. Neckel (Tübingen)
09.45 – 10.30	Sitzung VII: Translational – pancreas Vorsitz: M. Engel (Erlangen)
09.45 – 10.00	Mast cell stabilizers as co-analgetics in acute and chronic pancreatitis. H. Steenfadt, S. Klauss, S. Schorn, H. Friess, G. O. Ceyhan, I. E. Demir (München)
10.00 – 10.15	The inhibition of nNOS reduces pain in chronic pancreatitis. I. E. Demir, T. Heinrich, D. Carty, C. Saricaoglu, S. Klauss, N. Diakopoulos, H. Algül, H. Friess, G. O. Ceyhan (München)
10.15 – 10.30	Pericytes stimulate neurogenesis in pancreatic cancer. L. Fangmann, S. Teller, H. Friess, G. O. Ceyhan, I. E. Demir (München)
10.30 – 11.00	Kaffeepause
11.00 – 12.00	Sitzung VIII: Clinical – motility, diverticular disease Vorsitz: C. Pehl (Vilsbiburg)
11.00 – 11.15	24-h High resolution manometry with impedance is a valuable diagnostic tool in patients with non-obstructive dysphagia (NOD) and non-cardiac chest pain (NCCP). J. Keller (Hamburg)
11.15 – 11.30	Impact of gastric emptying velocity on GERD in relation to EGJ-contractility. J. Keller (Hamburg)
11.30 – 11.45	Influence of peppermint and caraway oil on contractile activity of human large intestinal muscle strips. M. Schemann, D. Krüger, B. Schmid, I. E. Demir, G. O. Ceyhan, F. Zeller (Freising)
11.45 – 12.00	Searching for genetic risk factors for diverticulitis and diverticulosis. C. Lange, F. Cossais, M. Böttner, S. Buch, T. Wedel, C. Schafmayer, J. Hampe (Kiel)
12.00 – 13.00	Mittagessen und Abreise

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