

**ESPGHAN**European Society for Paediatric  
Gastroenterology, Hepatology and NutritionRue De-Candolle 16  
1205 Genève, Switzerland  
www.espghan.org**SIG - Report for Gastroenterology Committee Strategy Day****SIG Title: Epigenetics in Paediatric Gastroenterology, Hepatology and Nutrition**

(date of completion 14.07.2019; Andreas Jenke)

**Working Group Members and Mandates**

Name	Date of entry	1 <sup>st</sup> Term	2 <sup>nd</sup> Term	Positions held within WG (e.g. Secretary treasurer etc.)	Dates held of these positions
Andreas Jenke	2013			Chair (former Co-Chair)	08.05.2018
Marco Gasparetto	2014			Co-Chair	08.05.2018
Robert Heuschkel	2013			Founding member	2013
Matthias Zilbauer	2013			Former chair	2013-7.05.2018
Per Torp Sangild	2014			Member	2014
Stefan Wirth	2013			Member	2013
Aglaia Zellos	2014			Member	2014
Luigi Greco	2014			Member	2014
Renata Auricchio	2015			Member	2015
Veres Gabor	2019			Member	2019
Balint Tel	Applied 2019			Applied	2019

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## Summary of Activities in 2018

### A. WG meetings (date and any main points/activities)

(one table per meeting – please just copy and paste the tables as often as needed)

<b>Meeting</b>	Working group meeting held during the 2019 annual ESPGHAN conference in Geneva
<b>Location</b>	Glasgow
<b>Date</b>	5 <sup>th</sup> of June 2019
<b>Main Points / Activities</b>	<ul style="list-style-type: none"> <li>• Discussion of collaborative scientific research in the epigenetics of GI health and disease amongst ESPGHAN members</li> <li>• Update on actual scientific projects</li> <li>• Development of an ESPGHAN young researcher support programm</li> </ul>

### B. Educational activities

#### (i) Educational Events

(one table per event – please just copy and paste the tables as often as needed)

<b>Full Event Name</b>	2 <sup>nd</sup> ESPGHAN summer school for Basic and Translational Research		
<b>Location</b>	Cambridge		
<b>Date</b>	24 <sup>th</sup> – 26 <sup>th</sup> July 2019		
<b>Organizer</b>	M. Zilbauer, A. Jenke		
<b>Email Organizer</b>			
<b>EPP</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
<b>UEG Training Support</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
<b>more information if available</b>			

#### (ii) E-Learning

(one table per project – please just copy and paste the tables as often as needed)

<b>Full Project Name</b>	
<b>Project Timeline</b>	
<b>Project Leader</b>	
<b>more information if available (applied for UEG support? Etc)</b>	

### C. WG Publications / Guidelines / Position Papers

#### (i) Completed

(one table per publication – please just copy and paste the tables as often as needed)

<b>Publication ID</b> <i>(to be filled in by Office)</i>				
<b>Full Publication Title</b>	Intestinal Epithelial Organoids as Tools to Study Epigenetics in Gut Health and Disease.			
<b>Authors</b>	Kraicz J, Zilbauer M			
<b>Publication Type</b>	<input type="checkbox"/> Guideline	<input type="checkbox"/> Position Paper	<input type="checkbox"/> Update of existing paper	X Other
<b>Journal, Year, Volume, Page Numbers</b>	Stem Cells Int. 2019 Jan 27;2019:7242415. doi: 10.1155/2019/7242415.			



More information if available	
Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	$\beta 6$ integrinosis: a new lethal autosomal recessive ITGB6 disorder leading to impaired conformational transitions of the $\alpha V\beta 6$ integrin receptor.
Authors	Weil P, van den Bruck R, Ziegenhals T, Juranek S, Goedde D, Orth V, Wirth S, Jenke AC, Postberg J
Publication Type	<input type="checkbox"/> Guideline <input checked="" type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper    X Other
Journal, Year, Volume, Page Numbers	Gut. 2019 Jun 14. pii: gutjnl-2019-319015. doi: 10.1136/gutjnl-2019-319015
More information if available	

**(ii) in progress**

(one table per publication – please just copy and paste the tables as often as needed)

Publication ID <i>(to be filled in by Office)</i>	
Full Publication Title	
Publication Timeline and Status of Paper	
Publication Leader	
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input type="checkbox"/> Other
More information if available	

**(iii) future topics/research considered in 2019/2020**

(one table per publication – please just copy and paste the tables as often as needed)

Full Publication Title	Role of epigenetics in paediatric IBD.
Publication Timeline and Status of Application for Paper	First publication scheduled for mid of 2019
Publication Leader	Cambridge UK, led by Dr Zilbauer
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input type="checkbox"/> Other
More information if available	

Full Publication Title	Role of epigenetic markers in development coeliac disease in predisposed children
Publication Timeline and Status of Application for Paper	First publication scheduled for mid 2020
Publication Leader	PhD student Federica Giachero, mentor Prof Dr. A. Jenke
Publication Type	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input type="checkbox"/> Other
More information if available	



<b>Full Publication Title</b>	Assessing DNA methylation in mucosal biopsies of children diagnosed with Eosinophilic esophagitis			
<b>Publication Timeline and Status of Application for Paper</b>	First publication scheduled for mid of 2020			
<b>Publication Leader</b>	Collaborative project between the ESPGHAN EoE and Epigenetics Working Groups			
<b>Publication Type</b>	<input type="checkbox"/> Guideline	<input type="checkbox"/> Position Paper	<input type="checkbox"/> Update of existing paper	<input type="checkbox"/> Other
<b>More information if available</b>				

<b>Full Publication Title</b>	Epigenetics in Necrotizing Enterocolitis			
<b>Publication Timeline and Status of Application for Paper</b>	First publication scheduled for end of 2019			
<b>Publication Leader</b>	lead centre University of Copenhagen, Denmark			
<b>Publication Type</b>	<input type="checkbox"/> Guideline	<input type="checkbox"/> Position Paper	<input type="checkbox"/> Update of existing paper	<input type="checkbox"/> Other
<b>More information if available</b>				

**D. Financial Report / Budget for 2018: Will be added by EPGHAN Office**

<b>All in Euros</b>	<b>Allocated</b>	<b>Used so far</b>
<b>Expenses</b>	<b>Will be added by EPGHAN Office</b>	<b>Will be added by EPGHAN Office</b>
Additional (i.e. in addition to ESPGHAN annual meeting) working group meeting combined with workshop		
Activity 2		
Activity 3		
Activity 4		
Activity 5		
Activity 6		
Activity 7		
Activity 8		
<b>TOTAL Expenses 2018</b>		
<b>Income</b>	<b>Please also add funding from other sources if applicable</b>	
Activity 1		
Activity 2		
Activity 3		
Activity 4		
Activity 5		
<b>TOTAL Income 2018</b>		

**Additional comments on financial report:**



## Outlook on Planned Activity for 2019

### A. Working Group meetings (date and any main points/activities)

(one table per meeting – please just copy and paste the tables as often as needed)

<b>Meeting</b>	Working group meeting held during the 2018 annual ESPGHAN conference in Copenhagen
<b>Location</b>	Copenhagen
<b>Date</b>	June 2019
<b>Main Points / Activities</b>	

### B. Proposed Educational activities

#### (i) Educational Events

(one table per event – please just copy and paste the tables as often as needed)

<b>Full Event Name</b>	
<b>Location</b>	
<b>Date</b>	
<b>Organizer</b>	
<b>Email Organizer</b>	
<b>Applied for EPP</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Applied for UEG Training Support</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>more information if available</b>	

#### (ii) E-Learning

(one table per project – please just copy and paste the tables as often as needed)

<b>Full Project Name</b>	
<b>Project Timeline</b>	
<b>Project Leader</b>	
<b>more information if available (applied for UEG support? Etc)</b>	

### C. Proposed Publications / Guidelines / Position Papers

(one table per publication – please just copy and paste the tables as often as needed)

<b>Full Publication Title</b>	
<b>Publication Timeline and Status of Application of Paper</b>	
<b>Publication Leader</b>	
<b>Publication Type</b>	<input type="checkbox"/> Guideline <input type="checkbox"/> Position Paper <input type="checkbox"/> Update of existing paper <input type="checkbox"/> Other
<b>More information if available</b>	



#### E. Any other issues that may be of interest

Within the SIG we developed an initiative to specifically support young ESPGHAN members to go into research. Currently, we are in the process of optimising the proposal in close collaboration with Young ESPGHAN (Nathalie Rock). The actual version is attached to the report.

