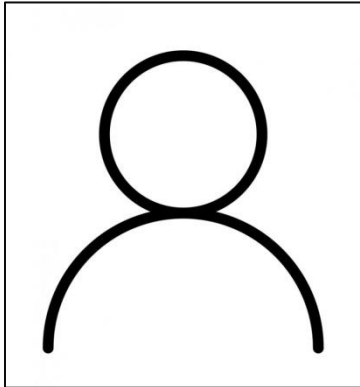


**Dr. Paweł Górka**



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**Consultation hours: appointments by e-mail**

**Research interest:**

- ruminant nutrition
- gastrointestinal tract development
- gene expression

**PI in current projects:**

1. Impact of various feed additives on rearing performance of dairy calves
2. Impact of proportion of concentrates in the diet and exogenous butyrate on rumen in sheep
3. Impact of probiotic feed additive on growth performance of calves

**Research experience:** Over ten years of research in the field of ruminant nutrition and gastrointestinal tract modulation.

**Visiting Scholar -**

**DSc, (Habilitation)** Title: Effect of exogenous butyric acid and its sodium salt on the structure and functions of the stomach and small intestine in ruminants, University of Agriculture in Krakow, Poland (2019)

**PostDoc** Post-doctoral fellow, University of Saskatchewan, Department of Animal and Poultry Science, Saskatchewan, Canada (2011-2012)

**PhD** Title: The effect of liquid feed type on the development of gastrointestinal tract in calves, University of Agriculture in Krakow, Poland (2010)

**MSc** Title: The effect of BioPlus 2B probiotic feed additive on performance of calves, University of Agriculture in

Krakow, Poland (2005)

**Professional profiles:**

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Research ID: [N-3885-2015](https://www.researchgate.net/profile/Pawet_Gorka)

Research Gate: [https://www.researchgate.net/profile/Pawet\\_Gorka](https://www.researchgate.net/profile/Pawet_Gorka)

List of publications:

Górka P., Śliwiński B., Flaga J., Olszewski J., Wojciechowski M., Krupa K., Godlewski M.M., Zabielski R., Kowalski Z.M. 2018. *Effect of exogenous butyrate on the gastrointestinal tract of sheep. I. Structure and function of the rumen, omasum and abomasum*. J. Anim. Sci. (praca przyjęta do druku). doi: 10.1093/jas/sky367

Górka P., Śliwiński B., Flaga J., Olszewski J., Nawrocka P., Sobkowiak K., Miltko R., Godlewski M.M., Zabielski R., Kowalski Z.M. 2018. *Effect of exogenous butyrate on the gastrointestinal tract of sheep. II. Hydrolytic activity in the rumen and structure and function of the small intestine*. J. Anim. Sci. (praca przyjęta do druku). doi: 10.1093/jas/sky368

Kowalski Z.M., Górka P., Flaga J., Barteczko A., Burakowska K., Oprządek J., Zabielski R. 2015. *Effect of microencapsulated sodium butyrate in close up diet on performance of dairy cows in early lactation period*. J. Dairy Sci. 98:3284-3291.

Chibisa G., Górka P., Penner G., Berthiaume R., Mutsvangwa T. 2015. *Effects of partial replacement of dietary starch from barley or corn with lactose on ruminal function, short-chain fatty acid absorption, nitrogen utilization, and production performance of dairy cows*. J. Dairy Sci. 95:824-841.

Schurmann, B.L., Walpole M.E., Górka P., Ching J.C., Loewen M.E., Penner G.B. 2014. *Short-term adaptation of the ruminal epithelium involves abrupt changes in sodium and short-chain fatty acid transport*. Am. J. Physiol. Regul. Integr. Comp. Physiol. 307:R802-R816.

Górka P., Kowalski Z.M., Pietrzak P., Kotunia A., Jagusiak W., Holst J.J., Guilloteau P., Zabielski R. 2011. *Effect of method of delivery of sodium butyrate on rumen development in newborn calves*. J. Dairy Sci. 94:5578-5588.

Górka P., Kowalski Z.M., Pietrzak P., Kotunia A., Jagusiak W., Zabielski R. 2011. *Is rumen development in newborn calves affected by different liquid feeds and small intestine development?* J. Dairy Sci. 94:3002-3013.

Górka P., Kowalski Z.M., Pietrzak P., Kotunia A., Kiljańczyk R., Flaga J., Holst J.J., Guilloteau P., Zabielski R. 2009. *Effect of sodium butyrate supplementation in milk replacer and starter diet on rumen development in calves*. J. Physiol. Pharmacol. 60(Suppl. 3):47-53.