Protective role of complement C3 against cytokine-mediated beta cell apoptosis - DTU Orbit (11/02/2019)

**Protective role of complement C3 against cytokine-mediated beta cell apoptosis**

Background and aims: Type 1 diabetes is a chronic autoimmune disease characterized by pancreatic islet inflammation and β-cell destruction by pro-inflammatory cytokines and other mediators. The complement system, a major component of the immune system, has been recently shown to also act in metabolic organs, such as liver, adipose tissue, and pancreas. In the present study we identified complement C3 as an important hub of a cytokine-modified complement network in human islets and characterized the role of C3 in β-cell survival.

**General information**

State: Published
Organisations: Department of Bio and Health Informatics, Universite Libre de Bruxelles, University of Pisa, Intomics A/S
Contributors: Dos Santos, R. S., Marroqui, L., Grieco, F. A., Marselli, L., Henz, S. R., Marchetti, P., Wernersson, R., Eizirik, D. L.
Pages: S198
Publication date: 2017
Peer-reviewed: Yes

**Publication information**

Journal: Diabetologia
Volume: 60
Issue number: Suppl. 1
Article number: 433
ISSN (Print): 0012-186X
Ratings:
- BFI (2019): BFI-level 1
- Web of Science (2019): Indexed yes
- BFI (2018): BFI-level 1
- Web of Science (2018): Indexed yes
- BFI (2017): BFI-level 1
- Scopus rating (2017): CiteScore 5.09 SJR 3.228 SNIP 1.619
  - Web of Science (2017): Impact factor 6.023
  - Web of Science (2017): Indexed yes
- BFI (2016): BFI-level 1
- Scopus rating (2016): CiteScore 5.23 SJR 3.25 SNIP 1.721
  - Web of Science (2016): Impact factor 6.08
  - BFI (2015): BFI-level 1
- Scopus rating (2015): CiteScore 5.57 SJR 3.61 SNIP 1.933
  - Web of Science (2015): Indexed yes
- BFI (2014): BFI-level 1
- Scopus rating (2014): CiteScore 5.57 SJR 3.243 SNIP 1.964
  - Web of Science (2014): Indexed yes
- BFI (2013): BFI-level 1
- Scopus rating (2013): CiteScore 6 SJR 3.259 SNIP 2.035
  - Web of Science (2013): Impact factor 6.88
  - ISI indexed (2013): ISI indexed yes
  - Web of Science (2013): Indexed yes
- BFI (2012): BFI-level 1
- Scopus rating (2012): CiteScore 5.76 SJR 3.235 SNIP 1.914
  - ISI indexed (2012): ISI indexed yes
- BFI (2011): BFI-level 2
- Scopus rating (2011): CiteScore 5.47 SJR 3.177 SNIP 1.857
  - ISI indexed (2011): ISI indexed yes