

## Accepted Manuscript

Different molecular organization of two carotenoids, lutein and zeaxanthin, in human colon epithelial cells and colon adenocarcinoma cells

Wojciech Grudzinski, Mateusz Piet, Rafal Luchowski, Emilia Reszczynska, Renata Welc, Roman Paduch, Wieslaw I. Gruszecki



PII: S1386-1425(17)30519-X  
DOI: doi: [10.1016/j.saa.2017.06.041](https://doi.org/10.1016/j.saa.2017.06.041)  
Reference: SAA 15257

To appear in: *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*

Received date: 20 February 2017  
Revised date: 12 June 2017  
Accepted date: 30 June 2017

Please cite this article as: Wojciech Grudzinski, Mateusz Piet, Rafal Luchowski, Emilia Reszczynska, Renata Welc, Roman Paduch, Wieslaw I. Gruszecki , Different molecular organization of two carotenoids, lutein and zeaxanthin, in human colon epithelial cells and colon adenocarcinoma cells, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (2017), doi: [10.1016/j.saa.2017.06.041](https://doi.org/10.1016/j.saa.2017.06.041)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Different molecular organization of two carotenoids, lutein and zeaxanthin, in human colon epithelial cells and colon adenocarcinoma cells**

Wojciech Grudzinski<sup>a,\*</sup>, Mateusz Piet<sup>b</sup>, Rafal Luchowski<sup>a</sup>, Emilia Reszczynska<sup>a</sup>, Renata Welc<sup>a</sup>, Roman Paduch<sup>b,c</sup> and Wieslaw I. Gruszecki<sup>a,\*</sup>

<sup>a</sup>Department of Biophysics, Institute of Physics, Maria Curie-Sklodowska University, 20-031 Lublin, Poland

<sup>b</sup>Department of Virology and Immunology, Institute of Microbiology and Biotechnology, Maria Curie-Sklodowska University, 20-033 Lublin, Poland

<sup>c</sup>Department of General Ophthalmology, Medical University of Lublin, 20-079 Lublin, Poland.

**Corresponding authors:** Tel.: +4881 537 6252, fax: +4881 537 6191, E-mail address: wieslaw.gruszecki@umcs.pl (W. I. Gruszecki) or tel.: +4881 537 6250, fax: +4881 537 6191, E-mail address: wojciech.grudzinski@umcs.pl (W. Grudzinski).

Download English Version:

<https://daneshyari.com/en/article/5139453>

Download Persian Version:

<https://daneshyari.com/article/5139453>

[Daneshyari.com](https://daneshyari.com)