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https://liverdiseases.gastroconferences.com/

https://www.omicsonline.org/gastrointestinal-digestive-system.php

### Title: Gluten degradation by the gut microbiota of ulcerative colitis patients

## Emma Olivia Schultz Harringer<sup>1</sup>, Susan V. Lynch<sup>2</sup>

11 b]j Yfg|hm<cgd]hU~cZGci h\Yfb~8Yba Uf\_ž8Yba Uf\_

colonocytes irrespective of whether they originated from UC or healthy gut

<sup>2</sup>l b]j Yfg|hmcZ'7U']Zcfb]U'GUb': fUbV](b)/(džl G5

Background: 'GYj YfU 'ghi X]Yg\Uj Y'fYdcfhYX']a dfcj YX'X]g\YUg\'gna dhca c'c[m']b'i 'WfUlfj Y'Wc']r]gfll 7£dUlf]Ybhg\Wbg a ]b[ 'U' [ 'i hYb'ZfYY'X]Yh' H\]gcVg\fj Ulfjcb'\wti d'YX'k ]h\ X]j Yfg]hmXYd'Ylfjcb']b'h\Y'[ i ha ]\McVYg\f]Ulfybhg'YX'i ghc \ndch\Yg]nY' \h\Uhi T! Uggc\JUlfyX YbhYf]\Wa ]\McVYgX]ZZYfYbf]U 'ma YhUVc']nY'X]YhUfm[ 'i hYb'hc'dfcXi W']a a i bc[ Yb]\WdfcXi \h\ghtyh\Uhidfca chY' ]b\Ua a Ulfjcb''

Methods; if hyb wbhfulicbilogcc k ugxylyfa lbyx i glb[ii i hyb gdyv]júw9@65žubx ii hyb lbhu\_y k ugugygyx vmzccx zfyei ybwhg fi ym]bil 7 flb1 % Ubx \yu hmwbhfc g fk 7/b1 % L"; i hyb! a yhuvc in]b[ivuwhf]u k yfy igc uhyx cb a lb]a u a yx]u g dd ya ybhyx k jh. % ii i hyb zfca il 7 ubx < 7 ubx i xybhjúyx vmi% G ff B 5 dfcú lb[i" 7 y i zfyy whi fy a yx]u zfca il hyb a yhuvc in]b[ii hvuwhf]u igc uhygk ugugygyx zcf ja a i bc[yb]v/mi]bj lfc i glb[i< hk- wcbcwhhyg kesults: 7 ca dufyx hc < 7 zl 7 duhybhg x]xb/hiwbg a y ii hyb x]zzyfybhmfA ubb!k \]hbymd d 2 \$'% Ubx yl \]v]hyx yei ji! uybh yj ygcz [i hyb jb hyjf zywg fA ubb!k \]hbymd 1 \$'% ' L"hy dfcú y cz [i hyb xy[fux]b[ vuwhf]u igc uhyx zfca il 7 grc k ugx]ghbwff \]igei ufy/d 1 0\$"\$\$\$ \lank L \]hbymd 1 \$\lank L \]hbymd 1

Conclusion: A Ya VYfg cZ < 7 'UbX' I 7' a ]/MicV]chU'YI \]V]h ['i hYb! XY[ fUX]b[ 'UV]]miz a YhUVc`]hYg cZ k \]W']bÛi YbW' [ YbYg ]bj c'j YX']b]bÛUa a Uh]cb'UbX'VUff]Yf'ZI bWi]cb']b'YbhYf]WwccbcWithY'W'hi fYg"DfY']a]bUfmÜbX]b[ gcZh\]gghi Xmk UffUbhZI fh\Yf' investigations into the mechanisms by which gut microbiota contribute to UC pathogenesis through gluten degradation.

#### **Biography**