

# Zwitter

# Follow me!

Editor-in-chief:  
Anna  
Vasiļevska

*23<sup>rd</sup> Baltic Chemistry Olympiad's newspaper*  
*Issue 4(7)*

////////////////////////////////////  
**Today 26.04.2015. Program**

9:00 Transfer to Daugavpils
9:30 Breakfast and free time
12:00-12:30 Closing ceremony at University of Daugavpils
13:00 Dinner
14:00 Departures



University of Daugavpils  
<http://du.lv/en>



University of Latvia  
<http://www.lu.lv/eng/>



**OlainFarm**  
JSC OlainFarm  
<http://olainfarm.lv/en/>



////////////////////////////////////

## Famous people from Daugavpils

Daugavpils is the place of birth for a plenty of talented people that are renowned in Latvia and all over the world.



*Gunārs Bērziņš* (1927-1999) seems to be one of the most gifted Latvian caricaturists. Majority of his works are devoted to daily life's problems and ridiculous events. (Text on the picture: 'Doctor, isn't that madness – kid had eaten a whole cake and became ill!')

*Aleksandrs Kovaļevskis* (1840-1901) is a great biologist famous with his research about embrion's gastrulation period; regarded as founder of invertebrates' comparative

physiology and embryology.

Well-known Latvian composer *Oskars Stroks* (1893-1975) also came from Daugavpils. In 30s his music was popular all over the Europe, Soviet Russia, China and Japan. Stroks has been intravittally called 'The King of Tango'.

If someone asks the citizens of Daugaupils to name the most reputable person of this city, they would answer 'Marks Rotko'. *Marks Rotko* (Mark Rothko, 1903-1970) is world-famous painter, representative of abstract expressionism, 'father' of a new style - Color Field painting. His work's 'Orange, Red, Yellow' (on photo) sale price- \$86.7 millions - is a record nominal price for Post-War/contemporary art at public auction.



There are also several admirable chemists whose names are bonded with Daugavpils and Daugavpils University. *Fricis Feldmanis* (1916-1989) and *Guntis Rudzītis* (1932-2004) were talented educationalists, workers of Daugavpils University and compilers of chemical books for students, that have been used in schools for almost 40 years. That textbooks are translated to 23 languages; total circulation exceeds 100 million copies. A special memorial lecture room, devoted to these scientists and their contribution to the developing of chemistry in Latvia, was opened in Daugavpils University last year.















## Photos from Day 2



////////////////////////////////////

## Chemical Horoscope for Sunday

 Aries	Oh, no! You are especially reactive today (just like fluorine). Others should be afraid of you.	 Leo	You're gray eminence like platinum (as always) so controlling and catalyzing everything is really you destiny.	 Sagittarius	Today you have an opportunity to travel and see the world – just don't forget to take Fr, Sc, Ga, Ge, Ru, Eu, Lu and Po before going home.
 Taurus	Today you remind helium – you're very stable, but light on one's feet.	 Virgo	Don't work so hard today - relax and remember, that the main discoveries in chemistry are made while asleep!	 Capricorn	Silicon is right element for you today – stable and not so frequently recalled, but really weighty on the Earth.
 Gemini	All Gemini are really radioactive. Now you emit $\alpha$ particles so don't stop Taurus when they are trying to escape from your twitter!	 Libra	If today you don't know, which of 2 reaction's ways to choose, do like $\text{Cu}^+$ does: $2\text{Cu}^+ \rightarrow \text{Cu} + \text{Cu}^{2+}$	 Aquarius	You're always active, aren't you? Today your behavior is especially exothermic (as burning of gunpowder).
 Cancer	Today you really enjoy being with your relatives – like octane enjoys being with other alkanes in petroleum.	 Scorpio	Aren't you the element of 8 <sup>th</sup> period deep inside? Now you're so mystic and unpredictable that others doubt whether you exist or not...	 Pisces	You remind me NaCl - now it's hard to you to make serious solution 'cause you have just made one with water...

## Chemical Jokes

(from the lecturers of University of Latvia)

Chemical bond dissociation is like dividing a **donut**:



## Bond Dissociation

Homolytic

Heterolytic



Octet rule: every atom wants to be



University of Daugavpils  
<http://du.lv/en>



University of Latvia  
<http://www.lu.lv/eng/>



OlainFarm  
 JSC OlainFarm  
<http://olainfarm.lv/en/>

////////////////////////////////////