# Dynamic glass powered by the sun2019-01-29

**A collaboration will investigate if newly patented high-transparency solar cells from the startup Peafowl Solar Power can power dynamic glass from ChromoGenics**

During 2019 Nasdaq-traded ChromoGenics will test powering their dynamic glass with newly developed high-transparency solar cells. The patented cells have been developed by Peafowl Solar Power, an innovative cleantech-startup founded in Uppsala, Sweden in 2018. Dynamic glass controls transmission of heat and light and can save up to 50% on cooling and heating costs. Combining the dynamic glass window with a transparent solar cell would eliminate the need for an external power source and thus reduce installation costs significantly and increase flexibility of placement.

* *It is a great opportunity for us to work with a company like ChromoGenics that has hands-on experience of scaling up from research to industrial manufacturing. We are very eager to see how our cell performs when powering a real application in real-life conditions.*

Jacinto Sá, Founder and CEO of Peafowl Solar Power

The cell developed by Peafowl Solar Power has unparalleled design flexibility that can be combined with different materials and made to any degree of transparency or color.

* *There are several semi-transparent solar cells on the market, but before now none of them have lived up to the high transparency requirements of our dynamic glass ConverLight®. We look forward to investigating the possibilities of combining our two technologies into a unique product with great market potential.*

Greger Gregard, co-founder and CTO of ChromoGenics

# About Peafowl Solar Power

Peafowl Solar Power develops a new kind of transparent solar cell. They use plasmonic nanoparticles as light absorbers which enables very efficient absorption of the intercepted light, which in turn means the cell can function even when very little light is intercepted – i.e. high transparency. The cell is made from cheap and sustainable materials and shows promise for high stability and function in all conditions, from harsh outdoor conditions to low-illumination indoor environments.

Peafowl Solar Power is located in Uppsala, Sweden, and is a spinoff from the world leading research center at Ångström Laboratory at Uppsala University. They are members of the EIT Highway program of the European incubator InnoEnergy and associated with Uppsala Innovation Centre, one of the worlds’ best university affiliated incubators.
www.peafowlsolarpower.com

# About ChromoGenics

ChromoGenics offers dynamic glass with controllable heat- and light transmission and static glass with world leading performance. The company’s unique technology ConverLight® provides sustainable solar control for increased indoor comfort and energy efficiency. ConverLight also contributes to Green Building certifications. In 2016 the company started commercial sales to real estate projects in Scandinavia.

ChromoGenics is located in Uppsala, Sweden, and the technology is derived from the world leading research center at Ångström Laboratory at Uppsala University. The plant has been partly financed by a conditional loan from the Swedish Energy Agency. ChromoGenics share (CHRO) is listed on Nasdaq First North Stockholm with G&W Fondkommission as Certified Adviser. www.chromogenics.com