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ee textbooks really will have to be rewritten. Last week, in the Congress Chamber at the e of Versailles, assembled metrologists voted to redefine four fundamental SI units: the ere, kelvin, kilogram, and mole





Calculations shorten total synthesis. The fastest route to natural product paspaline A used to be 25 steps. Now, with the help of computational analysis, Yale researchers have done



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it in 9. Posted on ChemRxiv.

# Green Chemistry Challenge.

This year's Green Chemistry Challenge Awards honored streamlined routes to HIV medications, a nent-strike/100/i22 technology that eliminates a toxic gas from rectinition of plastic feedstocks, a process for extracting a valuable biodegradable polymer from crustaceans, and a new herbicide designed to minimize agricultural workers' exposure. Read More >

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drugs could shift the

id shells, there wou ines for COVID-19

ninophen Work? Aren't Sure

ody-drug conjugate

drug makes resistar ple to antibiotics

'Caine' Drugs







protein, altering the surface of adhesives between the ligase

"Because they are smaller and Nico Thomä, a structural biolo is also on the advisory board c disadvantage is a big one-the

Indeed, the main classes of m more or less by accident, inclu immunomodulatory drugs (iMi How do different light bulbs for their molecular glues are b CEO Lily Zou. That's not the ca lighting option structurally distinct from the if

Degron employs three types o molecular glue candidates, an printing tec Zou says. Several firms are als investment flows into the indu Want full access to C&EN?

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Green Chemistry Challenge

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**10W DIFFERENT LIGHT BULBS W** 

ned routes to HIV medica They serve as direct molecular ogy that eliminates a toxic gas from tic feedstocks, a pro naller than PROTACs. acting a valuable biodegradable polymer f ns, and a new herbicide designed to

> ically easier to formulate," says te for Biomedical Research who e Rosa Therapeutics. "The ndipitously."



Lily Zou

ith Merck

KGaA in a deal worth up to \$554 million to identify and develop molecular glue degraders. Triana Biomedicines launched with \$110 million in April to develop molecular glues, and Bristol Myers Squibb extended a glue degrader partnership with Evotec in a deal worth up to \$5 billion.

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Degron's platform has yielded a library of more than 6,000 compounds, almost all of which are able to bind to cereblon, a component of an E3 ligase. The company has identified a target it calls Protein A, which Zou says plays a role in many types of cancers as well as inflammatory diseases

and is susceptible to degradation from one of its degraders. Protein A was previously considered undruggable because it does not have a pocket that can be activated or inhibited by another entity; the molecular glue is effective because it does not need a pocket to bind to.

So far, Degron has been focused on cancer, although Zou says it is also interested in tackling neurological or immunological diseases. She says the company will use the series A financing to advance its lead programs, grow its compound library, and strengthen its artificial intelligence tools.

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