

# RSC Sustainability

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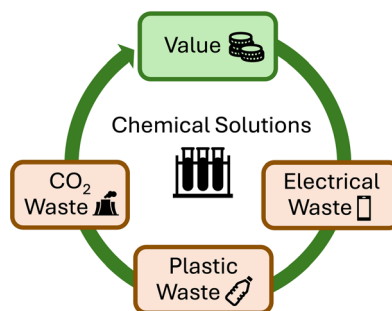


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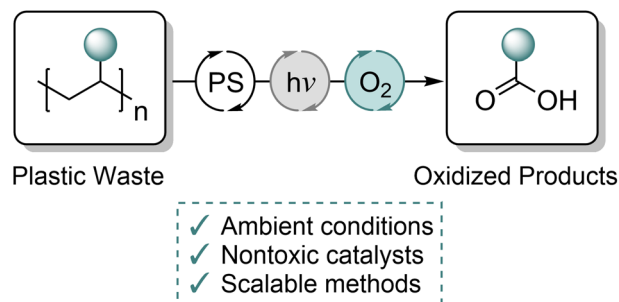
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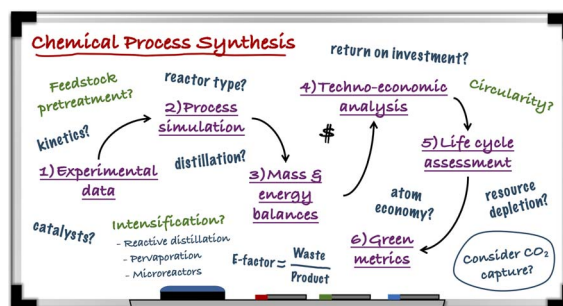
Alexandra T. Barth\*



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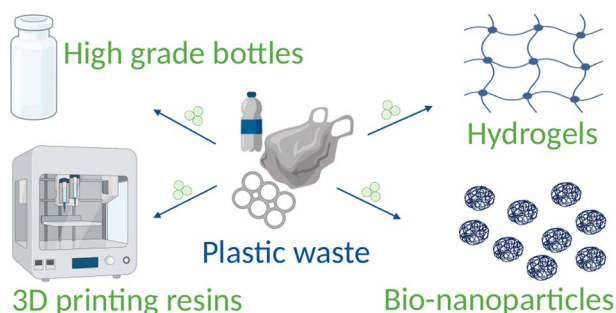
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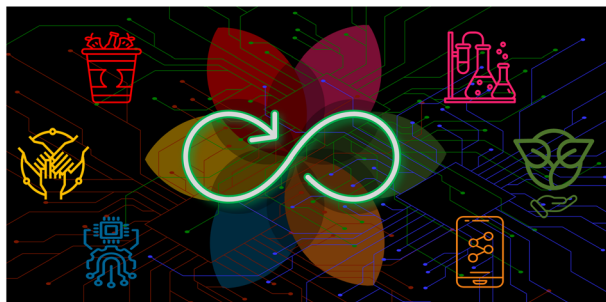
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Emal Mathew

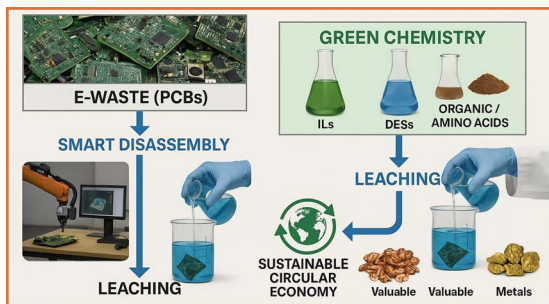
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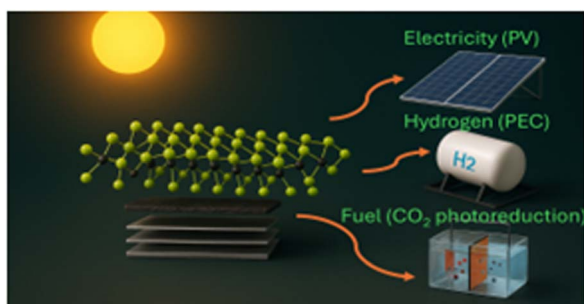


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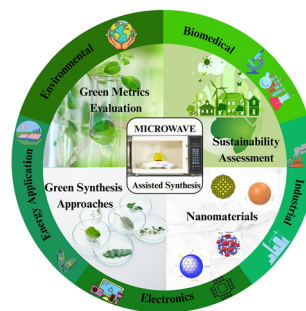
Kevin Reynold Wijaya, Lina Jaya Diguna,<sup>\*</sup> Annisa Tsalsabila, Indra Jaya Budiarto, Hermawan Judawisastra, Arramel Arramel, Ferry Anggoro Ardy Nugroho, Muhammad Danang Birowosuto and Arie Wibowo<sup>\*</sup>



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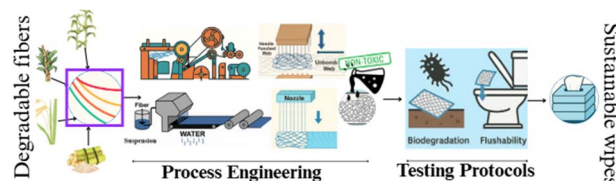
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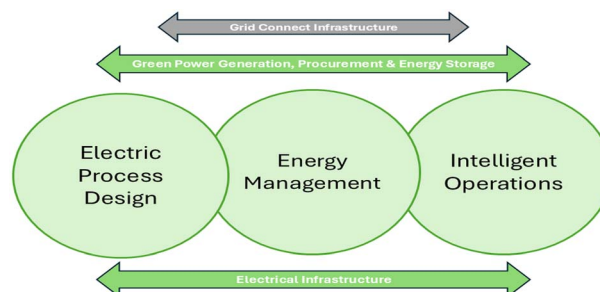
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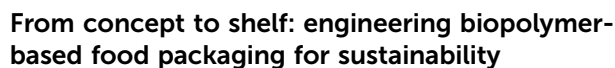


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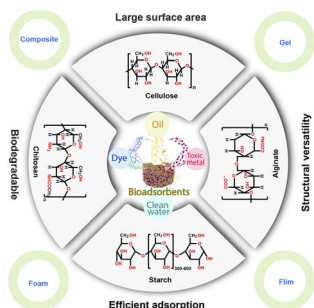
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Chhavi Sharma,\* Sapna Kundu, Shalini Singh, Juhi Saxena,  
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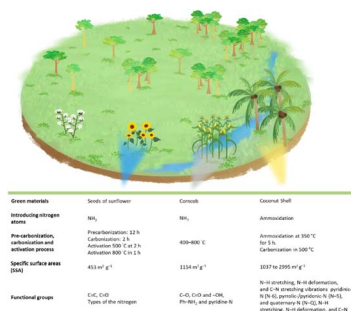


## Natural polymer-based bioadsorbents for wastewater treatment

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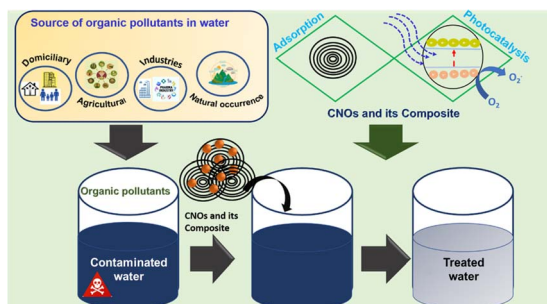
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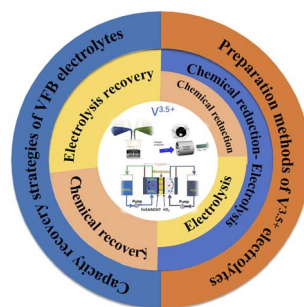
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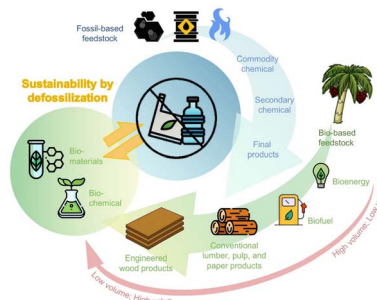


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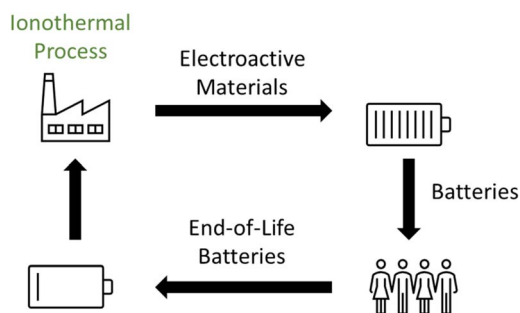


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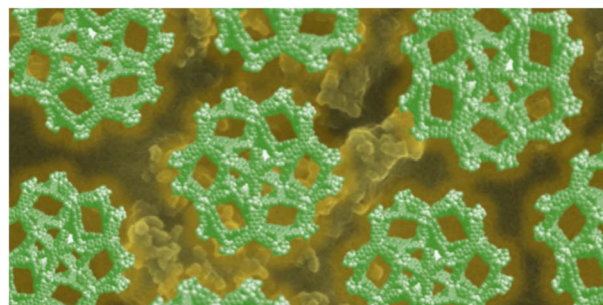
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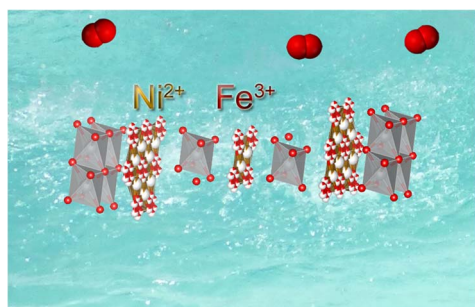
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Rui G. Faria, Luísa A. Neves, Isabel Santos-Vieira, Luís Cunha-Silva\* and Salette S. Balula\*





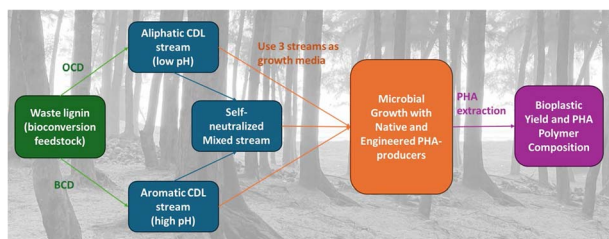
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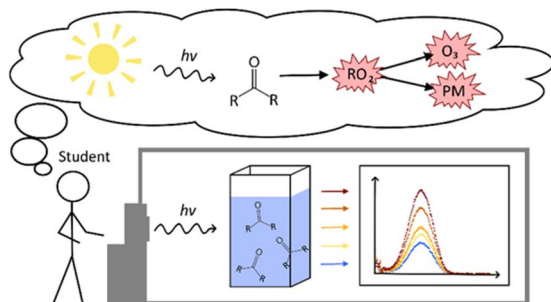
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### Bioconversion of self-neutralized chemically depolymerized lignin streams into polyhydroxyalkanoates

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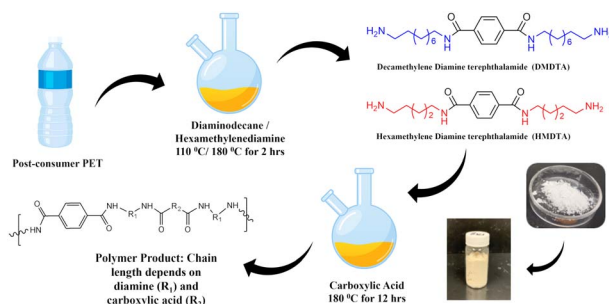
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### Biobased chemical recycling: aminolysis of PET using renewable reagents and monomers to synthesize new semi-aromatic polyamides

Sathiska Kaumadi, Kevin Simmons, Srikanth Pilla and James Sternberg\*



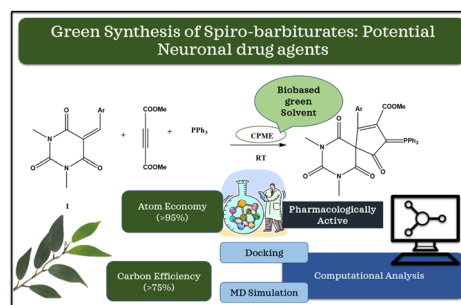


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**Green synthesis of spiro-barbiturates: advancing sustainable chemistry and drug design research**

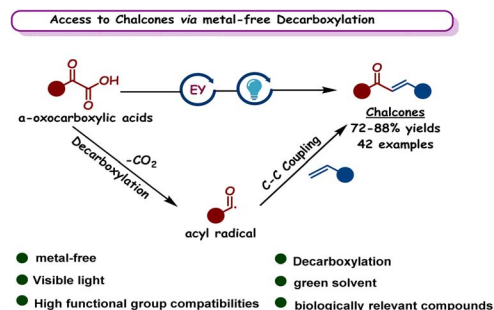
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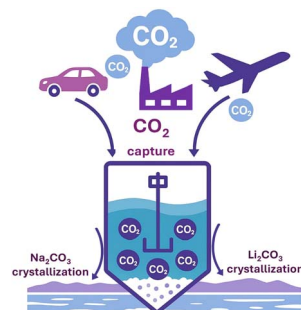
Aman Singh, Ambuj Kumar Kushwaha, Shikha Pandey, Pooja Kumari, Ankur Yadav and Sundaram Singh\*



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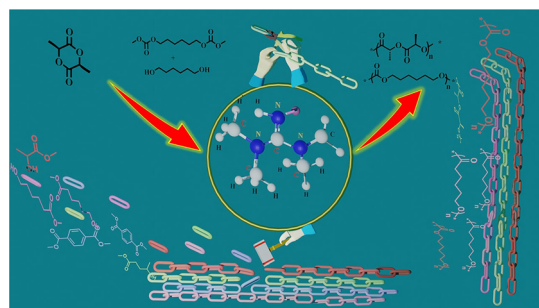
Nadia C. Zeballos, Walter R. Torres\* and Victoria Flexer\*



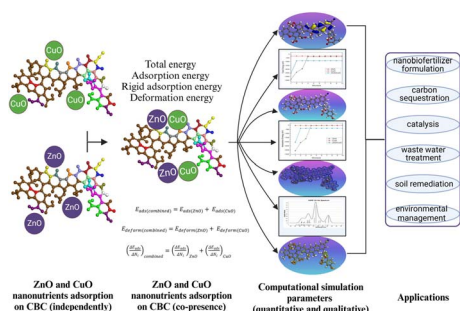
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Rajiv Kamaraj, Tzu-Yu Lin, Mallemadugula Ravi Teja, Taoufik Ben Halima, Hsi-Ching Tseng, Shangwu Ding and Hsuan-Ying Chen\*



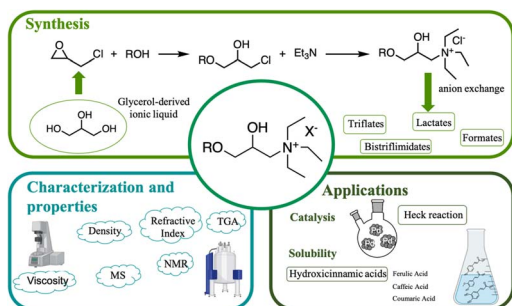
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## Molecular modelling of a biochar–ZnO–CuO nano-biofertilizer: adsorption simulation for optimized nutrient delivery

Adewale T. Irewale, Elias E. Elemike, Christian O. Dimkpa and Emeka E. Oguzie\*

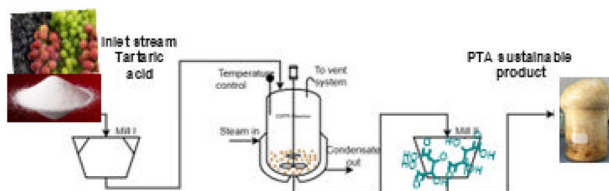
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## Glycerol-derived ionic liquids: a new family of high-potential renewable ionic solvents

Sara Gracia-Barberán, Jesús del Barrio, Alejandro Leal-Duaso, José A. Mayoral and Elisabet Pires\*

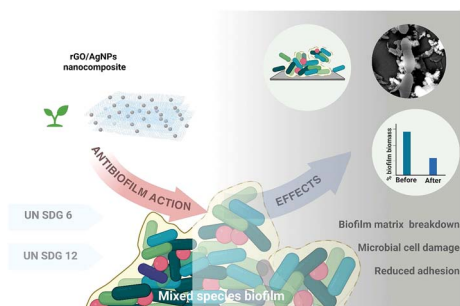
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Iulia Rigo, Alexander Bunge, Lucian-Cristian Pop, Natalia Terenti\* and Alexandrina Nan\*

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## Comprehensive prioritisation scheme for active pharmaceutical ingredients in Denmark

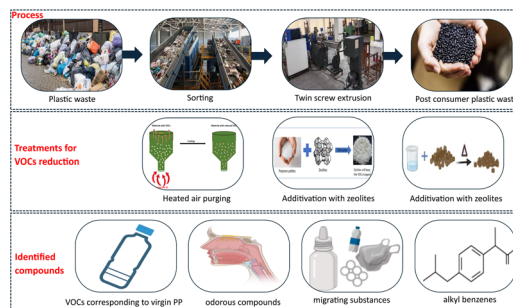
Hans Sanderson,<sup>\*</sup> Linda Bengtström, Patrik Fauser, Pedro N. Carvalho, Kai Bester, Martin Hansen, Mulatu Y. Nanusha and Pia Lassen



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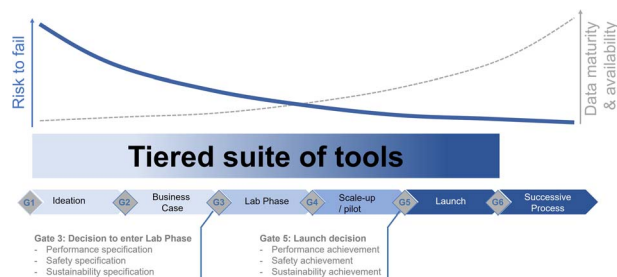
Pragti Saini, Sampat Singh Bhati,<sup>\*</sup> Subrata Biswas, Tom O. McDonald and Dharm Dutt<sup>\*</sup>



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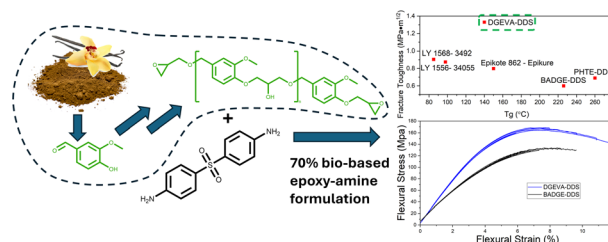
Wendel Wohlleben, Veronique Adam, Pau Camilleri Lledó, Susan Dekkers, Cyrille Durand, Andrea Haase, Lya G. Soeteman-Hernandez, Arianna Livieri, Sonia Martel-Martin, Lisa Pizzol, Blanca Pozuelo Rollón, Stefanie Prenner, Christian Rein, Eugene van Someren, Wouter Fransman, Alex Zabeo, Carlos Rumbo,<sup>\*</sup> Otmar Schmid<sup>\*</sup> and Danail Hristozov<sup>\*</sup>



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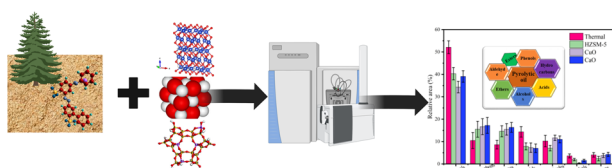
Bhuvash Kaushik, William E. Dyer, Niklas Lorenz and Baris Kumru<sup>\*</sup>





## PAPERS

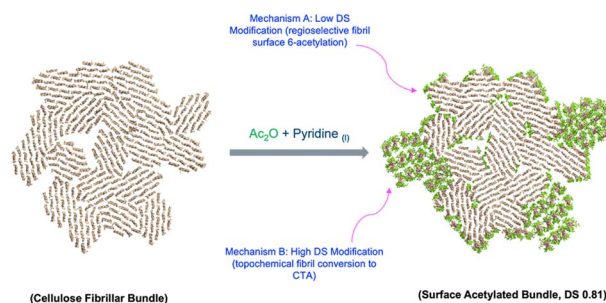
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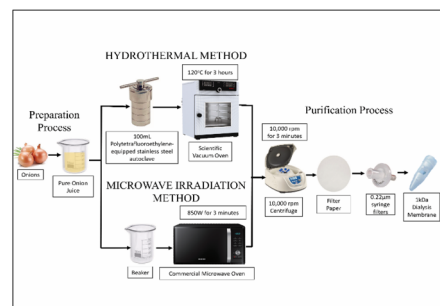
Alistair W. T. King,\* Antti Paajanen, Ella Mahlamäki, Mikko Mäkelä, Paavo Penttilä, Michael Cordin, Avinash Manian, Mari Leino, Elisa Spönlä, Maritta Svanberg, Tetyana Koso, Atsushi Tanaka, Vuokko Liukkonen, Amalie Solberg, Anniina Savolainen, Hannes Orelma, Antti Korpela, Kristin Syverud and Ali Harlin



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## Green conversion of a soft commodity into visible light-activated N–S doped carbon quantum dots with antibacterial properties

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Erin V. Phillips, Marta C. Hatzell and Carsten Sievers\*

