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Keynote Lectures

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Training in computational skills



Aleksandra Pawlik

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computational skills in bioinformatics and be- bling researchers to use large computational reyond. The need for such training is clear: research-sources and cloud infrastructure such as Amazon ers need to be able to work independently and efficiently using a variety of computational tools. The skills which they require include the ability to is common across biosciences, and how and automate tasks and build reproducible research when it needs to be adjusted for the particular pipelines, understand and be able to apply purposes of different disciplines. The example good programming practices in a programming of the successful model of Software Carpentry¹ language of choice, as well as being familiar with training shows that building on a common curthose software engineering tools that provide relevant support for computational research, such deliver useful training packages.

This talk will outline the essentials of training in as version control. The skills should scale up ena-EC2 or Microsoft Azure. The talk will also discuss how much of the training in computational skills riculum base makes possible to develop and

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1