**UMAP Projection of All Pairs** Beyonce Katy\_Perry Hilary\_Duff Ben\_Affleck Penelope\_Cruz Dax\_Shepard 10 -Luke\_Wilson Bryce\_Dallas\_Howard Sarah\_Hyland Selma\_Blair  $Amber\_Heard$ Natalie\_Portman Lily\_Collins Margot\_Robbie 5 -Jaime\_King Edie\_Falco Minka\_Kelly UMAP 2 Angelina\_Jolie Victoria\_Justice America\_Ferrera Zoe\_Saldana Elizabeth\_Banks Rachel\_Bilson 0 -Jada\_Pinkett\_Smith Will\_Ferrell Emily\_Kinney Chord\_Overstreet Henry\_Cavill Alicia\_Silverstone Dane\_Cook Chandra\_Wilson Chace\_Crawford Jeremy\_Irons Ellen\_Barkin Jai\_Courtney Zachary\_Quinto Dana\_Delany 10 15 20 Drea\_de\_Matteo 0 5 UMAP 1 Emmanuelle\_Chriqui Benicio\_Del\_Toro Jennifer\_Garner

Christy\_Turlington