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| **Table 1.** Study demographics and prior publications | | | | | |  |  |
| **No** | **Study name** | ***N*** |  | **Gender** | **Ages** | **Prior publications** | **Other experimental manipulations** |
| Study 1 | bmrk3 | 33 |  | 22 F | 27.9 (9.0) | Woo et al., 2015 Plos Biology, Lindquist et al. 2017 (GRIP), \*Woo et al. (SIIPS) 2017 | Cognitive self-regulation intervention to increase or decrease pain |
| Study 2 | bmrk4 | 28 |  | 10 F | 25.2 (7.4) | Chang et al., 2015, Krishnan et al., under review, Lindquist et al. 2017 (GRIP), \*Woo et al. (SIIPS) 2017 | Combination of painful stimuli with heat-predictive visual cues |
| Study 3 | scebl | 26 |  | 11 F | 28 (9.3) | Koban et al., in preparation; Lindquist et al. 2017 (GRIP), \*Woo et al. (SIIPS) 2017 | Combination of painful stimuli with heat-predictive visual cues and unreinforced social information |
| Study 4 | nsf | 26 |  | 9 F | 27.8 (7.5) | Wager et al., 2013; Atlas et al., 2014, \*Lindquist et al. 2017 (GRIP), \*Woo et al. (SIIPS) 2017 | Combination of painful stimuli with masked emotional faces evenly crossed with temperature |
| Study 5 | ie (ie for tor) | 50 |  | 27 F | 25.1 (6.9) | Roy et al., 2014 Nature Neuroscience, Lindquist et al. 2017 (GRIP), \*Woo et al. (SIIPS) 2017 | Combination of painful stimuli with heat-predictive visual cues and with a placebo manipulation |
| Study 6 | exp | 17 |  | 9 F | 25.5 (?) | Atlas et al., 2010 Journal of Neuroscience; Lindquist et al. 2017 (GRIP), \*Woo et al. (SIIPS) 2017 | Combination of painful stimuli with heat-predictive auditory cues |
| Study 7 | ilcp (ilcp\_wani) | 29 |  | 16 F | 20.4 (3.3) | Schmidt et al., in preparation; Lindquist et al. 2017 (GRIP), \*Woo et al. (SIIPS) 2017 | Combination of painful stimuli with intervention for perceived control (making vs. observing cue choice) and expectancy (80% vs. 50% probabilities of low pain) |
| Study 8 | dpsp | 59 |  | 31 F | 20.8 (3.0) | Kross et al., 2011; Woo et al., 2014 | Combination of painful stimuli with placebo intervention |
| Study 9 | bmrk5\_painsound | 88a |  | 44 F | 28.82 (5.67) | Losin et al. In review | None |
| Study 10 | IE2 | NA |  | NA | NA | NA | NA |
| Study 11 | REMI | 21 |  | 11 F | 24.7 (4.18) | Atlas et al. 2012, Wager et al. 2013 | Combination of painful stimuli with remifentanyl application (under two conditions: open and hidden administration). |
| Study 12 | MPA1\_A | 32b |  | 11 F | 25.1 (7.8) | in prep | Noone |
| Study 14 | placebo\_value\_stephan | 40 |  | 0 F | NA | Geuter et al.  2013 NeuroImage, Büchel et al. 2014 Neuron, Zunhamer et al. in prep. | Combination of painful stimuli with placebo intervention |
| **\***  **a)** 9 subjects were excluded of the initial data set for matching reasons; b) 8 subjects were excluded of the initial data set because of incomplete/bad data quality (pain intolerable, movement, no ratings, co-morbidities) | | | | | | | |