```
> cor(alwood)
             expose       trab       mass
expose    1.0000000  0.2597277 -0.4811904
trab      0.2597277  1.0000000 -0.7659131
mass     -0.4811904 -0.7659131  1.0000000
```

```
> cor(glds)
              expose       mass  mass_meta mass_epiph  trab_meta trab_epiph
expose      1.0000000 -0.5627702 -0.6748303 -0.9083700 -0.4849928  0.7994088
mass       -0.5627702  1.0000000  0.7504137  0.7333526  0.3055978 -0.5823740
mass_meta  -0.6748303  0.7504137  1.0000000  0.7517707  0.4375642 -0.5987569
mass_epiph -0.9083700  0.7333526  0.7517707  1.0000000  0.4540335 -0.8119884
trab_meta  -0.4849928  0.3055978  0.4375642  0.4540335  1.0000000 -0.4988618
trab_epiph  0.7994088 -0.5823740 -0.5987569 -0.8119884 -0.4988618  1.0000000
> cor(glds_meta)
             expose  mass_meta  trab_meta
expose     1.0000000 -0.6748303 -0.4849928
mass_meta -0.6748303  1.0000000  0.4375642
trab_meta -0.4849928  0.4375642  1.0000000
> cor(glds_epiph)
              expose mass_epiph trab_epiph
expose      1.0000000 -0.9083700  0.7994088
mass_epiph -0.9083700  1.0000000 -0.8119884
trab_epiph  0.7994088 -0.8119884  1.0000000
> cor(glds_meta_epiph)
              expose  mass_meta  trab_meta mass_epiph trab_epiph
expose      1.0000000 -0.6748303 -0.4849928 -0.9083700  0.7994088
mass_meta  -0.6748303  1.0000000  0.4375642  0.7517707 -0.5987569
trab_meta  -0.4849928  0.4375642  1.0000000  0.4540335 -0.4988618
mass_epiph -0.9083700  0.7517707  0.4540335  1.0000000 -0.8119884
trab_epiph  0.7994088 -0.5987569 -0.4988618 -0.8119884  1.0000000
```

```
> cor(ko_4week)
           expose        mass        trab       stren      resorp        form
expose  1.0000000 -0.42715362 -0.17807990 -0.40872855 -0.13202489 -0.36280295
mass   -0.4271536  1.00000000  0.79206113  0.23509599 -0.15306604 -0.06440642
trab   -0.1780799  0.79206113  1.00000000  0.24820801 -0.10085625 -0.01023731
stren  -0.4087286  0.23509599  0.24820801  1.00000000  0.22993100  0.01493029
resorp -0.1320249 -0.15306604 -0.10085625  0.22993100  1.00000000  0.05495119
form   -0.3628030 -0.06440642 -0.01023731  0.01493029  0.05495119  1.00000000
> cor(ko_2week)
           expose        mass        trab       stren      resorp        form
expose  1.0000000 -0.48592685 -0.45734954 -0.2867875  0.22754742 -0.27833378
mass   -0.4859269  1.00000000  0.78233404  0.3719436 -0.16706097  0.08593817
trab   -0.4573495  0.78233404  1.00000000  0.2295238  0.06590855  0.16562508
stren  -0.2867875  0.37194356  0.22952383  1.0000000 -0.26122038 -0.05946450
resorp  0.2275474 -0.16706097  0.06590855 -0.2612204  1.00000000 -0.02029281
form   -0.2783338  0.08593817  0.16562508 -0.0594645 -0.02029281  1.00000000
> cor(ko_1week)
           expose        mass        trab       stren      resorp        form
expose  1.00000000 -0.3083166 -0.16626019 -0.08146667 -0.04596078 -0.43780977
mass   -0.30831660  1.0000000  0.81207149  0.43409093 -0.26800281  0.10987364
trab   -0.16626019  0.8120715  1.00000000  0.26135302 -0.11361962  0.06319444
stren  -0.08146667  0.4340909  0.26135302  1.00000000 -0.20972917  0.07910350
resorp -0.04596078 -0.2680028 -0.11361962 -0.20972917  1.00000000  0.24455813
form   -0.43780977  0.1098736  0.06319444  0.07910350  0.24455813  1.00000000
```

```
> cor(ko_all)
            expose        mass        trab       stren      resorp        form
expose  1.00000000 -0.33973707 -0.24587441 -0.06668496  0.03443606 -0.32435117
mass   -0.33973707  1.00000000  0.79639752  0.26241598 -0.19193299  0.04606256
trab   -0.24587441  0.79639752  1.00000000  0.18725064 -0.03614004  0.06103423
stren  -0.06668496  0.26241598  0.18725064  1.00000000 -0.03954512  0.07099295
resorp  0.03443606 -0.19193299 -0.03614004 -0.03954512  1.00000000  0.06686586
form   -0.32435117  0.04606256  0.06103423  0.07099295  0.06686586  1.00000000
> cor(ko_exposure)
              expose        mass        trab       stren      resorp
expose     1.00000000 -0.33973707 -0.24587441 -0.06668496  0.03443606
mass      -0.33973707  1.00000000  0.79639752  0.26241598 -0.19193299
trab      -0.24587441  0.79639752  1.00000000  0.18725064 -0.03614004
stren     -0.06668496  0.26241598  0.18725064  1.00000000 -0.03954512
resorp     0.03443606 -0.19193299 -0.03614004 -0.03954512  1.00000000
form      -0.32435117  0.04606256  0.06103423  0.07099295  0.06686586
exposure   1.00000000 -0.33973707 -0.24587441 -0.06668496  0.03443606
                form    exposure
expose    -0.32435117  1.00000000
mass       0.04606256 -0.33973707
trab       0.06103423 -0.24587441
stren      0.07099295 -0.06668496
resorp     0.06686586  0.03443606
form       1.00000000 -0.32435117
exposure  -0.32435117  1.00000000
```

```
> cor(turner)
           expose       mass     resorp       form
expose  1.0000000 -0.6281854 -0.7246798 -0.4220525
mass   -0.6281854  1.0000000  0.7807571  0.5569316
resorp -0.7246798  0.7807571  1.0000000  0.2949424
form   -0.4220525  0.5569316  0.2949424  1.0000000
```