# Supplementary Informations

**Kidney inflammaging is promoted by CCR2+ macrophages and tissue-derived micro-environmental factors**

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## Supplementary Methods

## Supplementary Tables
**Table S1**
**Table S2**

## Supplementary Methods

### Histochemistry

Kidneys were fixed for 6h in 3.4% PFA then in 70% Ethanol and included in paraffin. Tissue sections were stained with sirius red and digitized with a Hamamatsu NanoZoomer. Stained areas and total surface from each section were determined using color-based thresholding and quantified using Fidji software as previously described (1).

### Biochemistry

Creatinin and blood urea nitrogen (BUN) were measured in plasma samples with ABX Pentra reagents using the Pentra C400 analyzer (HORIBA Medical).

### References

1. Laroumanie F*, et al.* (2014) CD4+ T cells promote the transition from hypertrophy to heart failure during chronic pressure overload. *Circulation* 129(21):2111-2124.

**Table S1. List of the antibodies used for DECyt analysis**

| name | alternative name | clone | purshased from |
|---|---|---|---|
| **Set A** | | | |
| CD45 APC-Cy7 | | 30-F11 | Biolegend |
| Ly6C PB | | HK1.4 | Biolegend |
| MHCII FITC | I-A/I-E | M5/114.15.2 | Biolegend |
| CCR2 PE | | FAB5538 | R&D Systems |
| CD14 PercPCy5.5 | | Sa-2-8 | eBioscience |
| CD64 APC | Fc gamma RI | X54-5/7.1 | Biolegend |
| | | | |
| **Set B** | | | |
| Sca-1 PB | Ly6A/E | D7 | Biolegend |
| CD31 PercPCy5.5 | PECAM1 | 390 | Biolegend |
| CD45 APC-Cy7 | | 30-F11 | Biolegend |
| CD326 FITC | EpCAM | G8.8 | Biolegend |
| mEFSK4 PE | anti-Feeder Cells | mEF-SK4 | Miltenyi Biotec |
| CD73 PE-Cy7 | 5'ecto-nucleotidase | TY/11.8 | Biolegend |
| CD140b APC | PDGFRß | APB5 | Biolegend |

**Table S2. Sequences of the primers used for RT-QPCR**

| gene | Primer sequences (5' -> 3') | Ref_Seq |
|---|---|---|
| *Nt5e* | F: CTTCATGAACATCCTGGGCT<br>R: AACGTTTCTGAGGAGGGGAT | NM_011851 |
| *Cdkn1c* | F: ATCACCAATCAGCCAGCAGAA<br>R: CTACGCGCTATCACTGGGAAG | NM_009876.4 |
| *Cdkn2c* | F: GGGGGACCTAGAGCAACTTAC<br>R: CTCCGGATTTCCAAGTTTCA | NM_007671.2 |
| *Cx3cl1* | F: TGGCTTTGCTCATCCGCTATCAG<br>R: CGTCTGTGCTGTGTCGTCTCC | NM_009142.3 |
| *Cxcl2* | F: CGCTGTCAATGCCTGAAG<br>R: GGCGTCACACTCAAGCTCT | NM_009140.2 |
| *Ccl2* | F: AAACCTGGATCGGAACCAAAT<br>R: TACGGGTCAACTTCACATTCAAA | NM_011333.3 |
| *Il6* | F: GAGGATACCACTCCCAACAGACC<br>R: AAGTGCATCATCGTTGTTCATACA | NM_031168 |
| *Il1a* | F: TTGGTTAAATGACCTGCAACA<br>R: GAGCGCTCACGAACAGTTG | NM_010554.4 |
| *Il10* | F: TTCAGCCAGGTGAAGACTTTCT<br>R: GCTTGGCAACCCAAGTAACC | NM_010548.2 |
| *Tgfb1* | F: AGGGCTACCATGCCAACTTCT<br>R: CCGGGTTGTGTTGGTTGTAGA | NM_011577.2 |
| *Vegfa* | F: CAGCAGATGTGAATGCAGACCAA<br>R: CTTTCTCCGCTCTGAACAAGGC | NM_001025250.3 |
| *Cxcl12* | F: CTCAACACTCCAAACTGTGCC<br>R: TTGGGCTGTTGTGCTTACTTG | NM_021704.3 |
| *Cxcr4* | F: CCATGGAACCGATCAGTGTGA<br>R: CAGGGTTCCTTGTTGGAGTCA | NM_009911.3 |
| *Igf1* | F: GCTCTTCAGTTCGTGTGTGGAC<br>R: AGCCTGTGGGCTTGTTGAAGTA | NM_010512.4 |
| *Ccr2* | F: CCTTGGGAATGAGTAACTGTGTGA<br>R: AATGACAGGATTAATGCAGCAGTGT | NM_009915.2 |
| *Tnfa* | F: AGCCGATTTGCTATCTCATACCA<br>R: GGGCTCATACCAGGGTTTGA | NM_013693 |
| *Il1b* | F: CTGCACTACAGGCTCCGAGAT<br>R: TGTTGGTTGATATTCTGTCCATTG A | NM_008361.4 |
| *Il12b* | F: CGGACGGTTCACGTGCTC<br>R: CACATGTCACTGCCCGAGAGT | NM_001303244.1 |

| | | |
|---|---|---|
| *Cdkn2a* | F: CCGAACTCTTTCGGTCGTACCC<br>R: CTGCTACGTGAACGTTGCCCA | NM_001040654.1 |
| *Rplp0* | F: GCTTCATTGTGGGAGCAGAC<br>R: ATGGTGTTCTTGCCCATCAG | NM_007475.5 |
| *Trp53* | F: TCCTGGCTGTAGGTAGCGACT<br>R: ATCCGACTGTGACTCCTCCAT | NM_001127233.1<br>NM_011640.3 |